



IES FLOOD REPORT

PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 20140819

[TESTLAB]

[TESTDATE] 2014-08-21

[ISSUEDATE] 6/17/2020

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] RRL_single_lamp

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	119.21
Maximum Candela Angle	-7.5H 0V
Horizontal Beam Angle (50%)	37.7
Vertical Beam Angle (50%)	36.1
Horizontal Field Angle (10%)	86.8
Vertical Field Angle (10%)	94.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	27
Beam Efficiency	N.A.
Field Lumens	65
Field Efficiency	N.A.
Spill Lumens	18
Luminaire Lumens	83
Total Efficiency	N.A.
Total Luminaire Watts	1
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.06	90	0
87.5	.13	87.5	0
85	.25	85	0
82.5	.44	82.5	.42
80	.6	80	.84
77.5	.89	77.5	.72
75	1.11	75	.59
72.5	1.46	72.5	.46
70	1.84	70	.33
67.5	2.54	67.5	1.45
65	3.17	65	2.56
62.5	3.59	62.5	3.68
60	3.83	60	4.79
57.5	4.16	57.5	5.03
55	5.19	55	5.26
52.5	5.73	52.5	5.5
50	5.58	50	5.73
47.5	6.21	47.5	7.33
45	7.03	45	8.93
42.5	7.91	42.5	10.53
40	9.47	40	12.12
37.5	10.05	37.5	12.72
35	11.31	35	13.32
32.5	14.4	32.5	13.92
30	16.74	30	14.52
27.5	16.57	27.5	21.48
25	21.34	25	28.43
22.5	25.12	22.5	35.39
20	30.21	20	42.34
17.5	35.18	17.5	45.17
15	36.01	15	47.99
12.5	36.51	12.5	50.82
10	46.64	10	53.65
7.5	55.69	7.5	61.91
5	67.03	5	70.17
2.5	75.6	2.5	78.43
0	86.69	0	86.69
-2.5	100.12	-2.5	80.78
-5	114.19	-5	74.87
-7.5	119.21	-7.5	68.96
-10	106.85	-10	63.05
-12.5	88.35	-12.5	65.29
-15	82.18	-15	67.53
-17.5	75.9	-17.5	69.77
-20	64.86	-20	72.01
-22.5	69.31	-22.5	61.54
-25	74.21	-25	51.06
-27.5	78.6	-27.5	40.59
-30	65.4	-30	30.11
-32.5	52.04	-32.5	27.47
-35	49.98	-35	24.83
-37.5	40.85	-37.5	22.19
-40	28.35	-40	19.54
-42.5	17.78	-42.5	17.05

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AXIAL CANDELA - (Cont.)

DEG.	HOR.	DEG.	VERT.
-45	16.11	-45	14.56
-47.5	18.12	-47.5	12.07
-50	15.8	-50	9.58
-52.5	11.6	-52.5	9.4
-55	7.84	-55	9.22
-57.5	7.87	-57.5	9.04
-60	7.84	-60	8.86
-62.5	7.34	-62.5	7.74
-65	6.19	-65	6.62
-67.5	6.05	-67.5	5.5
-70	5.01	-70	4.37
-72.5	4.75	-72.5	3.85
-75	4.3	-75	3.32
-77.5	3.49	-77.5	2.79
-80	3	-80	2.26
-82.5	2.21	-82.5	1.13
-85	1.79	-85	0
-87.5	1.29	-87.5	0
-90	1.11	-90	0

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CANDELA TABULATION

Maximum Candela = 119.21

Beam Edge = 59.605 Cd (50% of Max.)

Field Edge = 11.921 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-87.5	-85.0	-82.5	-80.0	-77.5	-75.0	-72.5	-70.0	-67.5
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.63	0.63	0.63	0.65	0.65	0.65	0.39	0.14	0.13	0.51
80.0	1.26	1.26	1.26	1.30	1.30	1.30	0.78	0.28	0.25	1.02
77.5	1.25	1.28	1.30	1.36	1.37	1.42	1.05	0.70	0.58	0.98
75.0	1.25	1.30	1.34	1.41	1.43	1.54	1.31	1.11	0.90	0.94
72.5	1.25	1.31	1.38	1.47	1.50	1.66	1.58	1.52	1.22	0.91
70.0	1.24	1.33	1.41	1.52	1.56	1.78	1.85	1.93	1.54	0.87
67.5	1.23	1.31	1.40	1.53	1.61	1.81	1.94	2.07	1.86	1.36
65.0	1.23	1.29	1.39	1.53	1.65	1.83	2.03	2.21	2.18	1.86
62.5	1.23	1.26	1.38	1.53	1.70	1.86	2.13	2.35	2.50	2.35
60.0	1.22	1.24	1.37	1.53	1.75	1.89	2.22	2.49	2.81	2.85
57.5	1.21	1.26	1.40	1.61	1.84	2.01	2.32	2.59	2.97	3.09
55.0	1.20	1.28	1.42	1.69	1.93	2.14	2.41	2.70	3.13	3.33
52.5	1.19	1.29	1.45	1.76	2.03	2.27	2.51	2.80	3.29	3.57
50.0	1.17	1.31	1.48	1.84	2.12	2.40	2.60	2.91	3.45	3.81
47.5	1.17	1.29	1.47	1.87	2.20	2.46	2.68	3.01	3.51	3.85
45.0	1.16	1.26	1.45	1.90	2.28	2.53	2.76	3.11	3.56	3.90
42.5	1.16	1.23	1.44	1.93	2.36	2.60	2.84	3.21	3.62	3.94
40.0	1.15	1.21	1.43	1.97	2.43	2.67	2.92	3.31	3.67	3.99
37.5	1.15	1.24	1.48	2.01	2.48	2.76	2.99	3.42	3.79	4.07
35.0	1.15	1.27	1.53	2.05	2.52	2.86	3.06	3.52	3.91	4.16
32.5	1.15	1.30	1.58	2.09	2.56	2.95	3.14	3.63	4.03	4.24
30.0	1.14	1.33	1.63	2.13	2.60	3.05	3.21	3.74	4.15	4.33
27.5	1.13	1.32	1.63	2.12	2.59	3.03	3.27	3.86	4.21	4.44
25.0	1.13	1.31	1.63	2.11	2.58	3.02	3.32	3.99	4.26	4.55
22.5	1.13	1.30	1.63	2.10	2.57	3.01	3.37	4.11	4.32	4.66
20.0	1.12	1.29	1.63	2.09	2.56	3.00	3.42	4.24	4.37	4.78
17.5	1.12	1.32	1.68	2.13	2.63	3.11	3.53	4.29	4.51	4.98
15.0	1.12	1.36	1.73	2.17	2.69	3.22	3.63	4.34	4.64	5.19
12.5	1.12	1.39	1.78	2.20	2.75	3.33	3.74	4.38	4.78	5.39
10.0	1.12	1.42	1.83	2.24	2.81	3.44	3.84	4.43	4.91	5.60
7.5	1.12	1.39	1.82	2.23	2.86	3.45	3.96	4.51	4.94	5.71
5.0	1.12	1.36	1.81	2.22	2.91	3.47	4.07	4.59	4.96	5.83
2.5	1.11	1.32	1.80	2.21	2.96	3.48	4.19	4.67	4.99	5.94
0.0	1.11	1.29	1.79	2.21	3.00	3.49	4.30	4.75	5.01	6.05
-2.5	1.11	1.31	1.82	2.24	3.03	3.54	4.29	4.74	5.01	5.86
-5.0	1.11	1.33	1.85	2.28	3.05	3.59	4.28	4.72	5.00	5.67
-7.5	1.11	1.35	1.88	2.32	3.07	3.64	4.28	4.71	5.00	5.48
-10.0	1.11	1.37	1.90	2.36	3.09	3.69	4.27	4.69	5.00	5.29
-12.5	1.11	1.34	1.86	2.33	3.05	3.66	4.20	4.61	4.90	5.27
-15.0	1.11	1.31	1.81	2.30	3.01	3.64	4.12	4.53	4.79	5.26
-17.5	1.11	1.27	1.77	2.28	2.97	3.62	4.05	4.45	4.68	5.25
-20.0	1.10	1.23	1.73	2.25	2.93	3.60	3.97	4.37	4.57	5.24
-22.5	1.11	1.25	1.74	2.25	2.84	3.50	3.91	4.33	4.66	5.34
-25.0	1.11	1.27	1.75	2.26	2.75	3.40	3.84	4.30	4.75	5.44
-27.5	1.11	1.29	1.76	2.26	2.67	3.29	3.78	4.26	4.84	5.54
-30.0	1.11	1.31	1.77	2.27	2.58	3.19	3.72	4.22	4.92	5.64

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CANDELA TABULATION - (Cont.)

-32.5	1.11	1.27	1.72	2.23	2.53	3.12	3.64	4.06	4.77	5.40
-35.0	1.11	1.24	1.66	2.19	2.48	3.04	3.56	3.91	4.61	5.16
-37.5	1.11	1.20	1.61	2.15	2.43	2.96	3.48	3.75	4.46	4.92
-40.0	1.10	1.16	1.55	2.11	2.38	2.89	3.39	3.59	4.31	4.68
-42.5	1.11	1.18	1.53	2.06	2.38	2.88	3.28	3.51	4.24	4.56
-45.0	1.11	1.19	1.51	2.01	2.38	2.87	3.17	3.43	4.16	4.44
-47.5	1.12	1.20	1.49	1.95	2.38	2.86	3.07	3.35	4.09	4.31
-50.0	1.12	1.22	1.47	1.90	2.38	2.85	2.96	3.27	4.01	4.19
-52.5	1.07	1.18	1.41	1.84	2.28	2.66	2.82	3.19	3.85	4.04
-55.0	1.01	1.15	1.35	1.78	2.17	2.48	2.68	3.11	3.68	3.89
-57.5	0.96	1.12	1.30	1.72	2.06	2.29	2.54	3.03	3.52	3.73
-60.0	0.91	1.09	1.24	1.66	1.95	2.11	2.40	2.96	3.36	3.58
-62.5	0.81	1.10	1.25	1.63	1.90	2.04	2.31	2.79	3.19	3.34
-65.0	0.72	1.12	1.26	1.60	1.84	1.97	2.22	2.62	3.01	3.09
-67.5	0.63	1.13	1.27	1.57	1.79	1.90	2.13	2.44	2.84	2.85
-70.0	0.54	1.15	1.27	1.54	1.73	1.83	2.03	2.27	2.66	2.60
-72.5	0.45	1.08	1.23	1.47	1.63	1.73	1.91	2.14	2.49	2.47
-75.0	0.37	1.02	1.19	1.40	1.53	1.64	1.79	2.01	2.32	2.35
-77.5	0.29	0.96	1.15	1.32	1.43	1.54	1.67	1.88	2.15	2.22
-80.0	0.20	0.89	1.11	1.25	1.33	1.44	1.55	1.75	1.97	2.09
-82.5	0.10	0.45	0.56	0.63	0.67	0.72	0.78	0.88	0.99	1.04
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>-65.0</u>	<u>-62.5</u>	<u>-60.0</u>	<u>-57.5</u>	<u>-55.0</u>	<u>-52.5</u>	<u>-50.0</u>	<u>-47.5</u>	<u>-45.0</u>	<u>-42.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.77	0.78	0.76	0.73	0.84	0.79	0.77	0.79	0.76	0.76
80.0	1.54	1.56	1.51	1.46	1.68	1.59	1.54	1.58	1.51	1.52
77.5	1.22	1.23	1.20	1.17	1.34	1.27	1.24	1.27	1.23	1.23
75.0	0.90	0.91	0.89	0.88	0.99	0.95	0.93	0.96	0.94	0.95
72.5	0.58	0.58	0.58	0.58	0.65	0.64	0.63	0.64	0.65	0.66
70.0	0.26	0.26	0.26	0.29	0.30	0.32	0.32	0.33	0.36	0.38
67.5	0.99	1.01	1.02	1.13	1.22	1.26	1.22	1.23	1.38	1.40
65.0	1.72	1.76	1.78	1.98	2.14	2.20	2.11	2.12	2.40	2.43
62.5	2.45	2.51	2.54	2.83	3.06	3.13	3.01	3.02	3.42	3.45
60.0	3.18	3.26	3.29	3.67	3.98	4.06	3.90	3.92	4.43	4.48
57.5	3.34	3.41	3.46	3.83	4.12	4.27	4.18	4.35	4.76	4.84
55.0	3.50	3.57	3.63	4.00	4.26	4.49	4.46	4.79	5.08	5.20
52.5	3.66	3.72	3.81	4.16	4.41	4.70	4.75	5.22	5.40	5.57
50.0	3.82	3.88	3.98	4.32	4.55	4.92	5.03	5.65	5.72	5.93
47.5	3.86	4.02	4.26	4.49	4.72	5.12	5.26	5.84	5.94	6.14
45.0	3.90	4.17	4.54	4.67	4.88	5.32	5.48	6.03	6.15	6.35
42.5	3.95	4.32	4.83	4.85	5.04	5.52	5.71	6.21	6.36	6.56
40.0	3.99	4.48	5.11	5.03	5.20	5.73	5.93	6.40	6.57	6.77
37.5	4.16	4.60	5.10	5.13	5.40	6.03	6.34	7.02	7.44	7.26
35.0	4.32	4.73	5.09	5.23	5.59	6.33	6.75	7.64	8.30	7.76
32.5	4.49	4.86	5.08	5.32	5.79	6.63	7.16	8.26	9.17	8.25
30.0	4.65	4.99	5.07	5.42	5.98	6.94	7.57	8.88	10.03	8.74
27.5	4.81	5.30	5.32	5.85	6.58	7.58	8.23	9.65	10.83	10.63
25.0	4.97	5.62	5.57	6.27	7.17	8.23	8.88	10.42	11.62	12.53 *
22.5	5.13	5.94	5.83	6.70	7.77	8.88	9.53	11.19	12.41 *	14.42 *

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CANDELA TABULATION - (Cont.)

20.0	5.29	6.26	6.08	7.12	8.37	9.53	10.18	11.97 *	13.20 *	16.31 *
17.5	5.42	6.62	6.48	7.43	8.31	9.16	9.96	12.15 *	13.54 *	17.04 *
15.0	5.55	6.99	6.87	7.75	8.25	8.79	9.74	12.34 *	13.87 *	17.77 *
12.5	5.68	7.35	7.27	8.06	8.19	8.42	9.52	12.52 *	14.20 *	18.50 *
10.0	5.81	7.71	7.66	8.37	8.13	8.06	9.30	12.71 *	14.53 *	19.23 *
7.5	5.91	7.62	7.71	8.24	8.06	8.94	10.93	14.06 *	14.93 *	18.87 *
5.0	6.00	7.53	7.75	8.12	7.98	9.82	12.55 *	15.41 *	15.32 *	18.50 *
2.5	6.10	7.43	7.80	7.99	7.91	10.71	14.18 *	16.77 *	15.72 *	18.14 *
0.0	6.19	7.34	7.84	7.87	7.84	11.60	15.80 *	18.12 *	16.11 *	17.78 *
-2.5	6.01	7.08	7.85	7.91	8.33	11.18	14.87 *	17.69 *	16.76 *	18.68 *
-5.0	5.82	6.83	7.85	7.95	8.82	10.76	13.93 *	17.26 *	17.41 *	19.58 *
-7.5	5.64	6.57	7.86	7.99	9.31	10.34	13.00 *	16.83 *	18.07 *	20.49 *
-10.0	5.45	6.31	7.86	8.03	9.79	9.92	12.07 *	16.41 *	18.72 *	21.39 *
-12.5	5.53	6.29	7.84	8.21	9.43	10.07	13.12 *	16.09 *	17.83 *	20.78 *
-15.0	5.61	6.28	7.82	8.39	9.07	10.23	14.17 *	15.78 *	16.93 *	20.16 *
-17.5	5.69	6.26	7.80	8.57	8.71	10.38	15.23 *	15.46 *	16.03 *	19.54 *
-20.0	5.77	6.24	7.77	8.76	8.35	10.54	16.28 *	15.15 *	15.13 *	18.93 *
-22.5	5.81	6.12	7.31	8.47	8.06	10.21	14.89 *	14.13 *	14.88 *	18.79 *
-25.0	5.84	6.00	6.84	8.19	7.77	9.89	13.49 *	13.12 *	14.63 *	18.65 *
-27.5	5.88	5.88	6.37	7.91	7.48	9.57	12.09 *	12.10 *	14.38 *	18.51 *
-30.0	5.91	5.76	5.90	7.62	7.19	9.25	10.69	11.08	14.13 *	18.37 *
-32.5	5.72	5.63	5.78	7.13	7.23	8.76	9.95	10.54	12.77 *	16.71 *
-35.0	5.53	5.51	5.65	6.64	7.26	8.27	9.20	9.99	11.41	15.04 *
-37.5	5.34	5.38	5.52	6.14	7.30	7.79	8.46	9.44	10.05	13.38 *
-40.0	5.15	5.26	5.39	5.65	7.34	7.30	7.71	8.90	8.69	11.71
-42.5	4.96	5.00	5.28	5.55	6.86	6.97	7.25	8.27	8.15	10.39
-45.0	4.77	4.74	5.17	5.46	6.38	6.63	6.78	7.64	7.61	9.07
-47.5	4.59	4.47	5.06	5.36	5.90	6.30	6.32	7.01	7.07	7.75
-50.0	4.40	4.21	4.94	5.27	5.42	5.96	5.86	6.38	6.53	6.43
-52.5	4.18	4.11	4.69	5.00	5.23	5.74	5.71	6.18	6.34	6.14
-55.0	3.95	4.01	4.44	4.74	5.04	5.53	5.55	5.98	6.14	5.85
-57.5	3.72	3.91	4.19	4.47	4.85	5.30	5.40	5.78	5.95	5.56
-60.0	3.49	3.81	3.94	4.21	4.66	5.08	5.25	5.58	5.76	5.27
-62.5	3.31	3.65	3.75	3.97	4.35	4.68	4.91	5.17	5.34	4.96
-65.0	3.13	3.49	3.56	3.74	4.04	4.28	4.57	4.76	4.92	4.65
-67.5	2.95	3.33	3.38	3.51	3.73	3.88	4.23	4.35	4.50	4.34
-70.0	2.76	3.17	3.19	3.28	3.41	3.48	3.89	3.94	4.08	4.03
-72.5	2.59	2.94	2.95	3.03	3.20	3.19	3.48	3.61	3.79	3.68
-75.0	2.41	2.72	2.70	2.78	2.98	2.89	3.07	3.28	3.50	3.33
-77.5	2.24	2.49	2.45	2.52	2.76	2.59	2.66	2.95	3.21	2.98
-80.0	2.07	2.26	2.20	2.27	2.54	2.30	2.25	2.63	2.92	2.63
-82.5	1.04	1.13	1.10	1.14	1.27	1.15	1.13	1.31	1.46	1.31
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>-40.0</u>	<u>-37.5</u>	<u>-35.0</u>	<u>-32.5</u>	<u>-30.0</u>	<u>-27.5</u>	<u>-25.0</u>	<u>-22.5</u>	<u>-20.0</u>	<u>-17.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.75	0.70	0.67	0.69	0.69	0.63	0.52	0.38	0.30	0.17
80.0	1.50	1.40	1.33	1.38	1.37	1.26	1.03	0.76	0.60	0.35
77.5	1.22	1.15	1.10	1.14	1.13	1.05	0.88	0.67	0.54	0.35
75.0	0.94	0.90	0.86	0.90	0.89	0.84	0.72	0.58	0.47	0.35

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

72.5	0.66	0.65	0.63	0.66	0.65	0.63	0.57	0.48	0.41	0.34
70.0	0.37	0.39	0.39	0.41	0.41	0.41	0.41	0.39	0.34	0.34
67.5	1.37	1.34	1.48	1.55	1.60	1.56	1.55	1.48	1.44	1.40
65.0	2.36	2.29	2.56	2.69	2.78	2.71	2.68	2.56	2.53	2.45
62.5	3.35	3.23	3.64	3.83	3.96	3.85	3.82	3.64	3.63	3.51
60.0	4.34	4.17	4.72	4.97	5.14	4.99	4.95	4.73	4.72	4.56
57.5	4.75	4.64	5.31	5.74	5.70	5.53	5.16	5.04	5.34	5.36
55.0	5.15	5.11	5.90	6.51	6.25	6.07	5.36	5.36	5.96	6.15
52.5	5.56	5.58	6.49	7.28	6.81	6.61	5.56	5.67	6.58	6.94
50.0	5.97	6.05	7.07	8.05	7.37	7.15	5.76	5.99	7.20	7.73
47.5	6.23	6.31	7.31	8.20	7.55	7.37	6.28	6.59	7.68	8.14
45.0	6.49	6.57	7.55	8.36	7.73	7.58	6.79	7.20	8.16	8.56
42.5	6.75	6.83	7.79	8.52	7.91	7.80	7.31	7.80	8.64	8.97
40.0	7.01	7.09	8.03	8.67	8.09	8.01	7.82	8.40	9.12	9.39
37.5	7.64	7.64	8.35	9.46	9.61	10.19	10.72	11.52	11.62	11.45
35.0	8.26	8.20	8.67	10.26	11.13	12.37 *	13.61 *	14.64 *	14.12 *	13.51 *
32.5	8.89	8.76	8.99	11.05	12.65 *	14.54 *	16.51 *	17.76 *	16.62 *	15.58 *
30.0	9.52	9.32	9.31	11.84	14.17 *	16.72 *	19.40 *	20.89 *	19.11 *	17.65 *
27.5	12.59 *	12.57 *	12.12 *	13.85 *	17.06 *	21.59 *	25.00 *	26.20 *	24.51 *	22.62 *
25.0	15.66 *	15.83 *	14.92 *	15.86 *	19.95 *	26.46 *	30.60 *	31.51 *	29.90 *	27.59 *
22.5	18.73 *	19.08 *	17.72 *	17.87 *	22.84 *	31.33 *	36.20 *	36.82 *	35.30 *	32.55 *
20.0	21.80 *	22.34 *	20.52 *	19.88 *	25.73 *	36.20 *	41.80 *	42.13 *	40.70 *	37.52 *
17.5	22.70 *	23.52 *	22.81 *	23.39 *	27.88 *	35.95 *	42.13 *	45.72 *	48.13 *	49.86 *
15.0	23.59 *	24.71 *	25.10 *	26.90 *	30.03 *	35.69 *	42.45 *	49.31 *	55.55 *	62.19 *
12.5	24.49 *	25.89 *	27.40 *	30.40 *	32.19 *	35.44 *	42.78 *	52.89 *	62.98 *	74.52 *
10.0	25.38 *	27.07 *	29.69 *	33.91 *	34.34 *	35.19 *	43.10 *	56.48 *	70.40 *	86.86 *
7.5	26.12 *	30.51 *	34.76 *	38.44 *	42.11 *	46.04 *	50.88 *	59.68 *	69.02 *	84.12 *
5.0	26.86 *	33.96 *	39.83 *	42.97 *	49.87 *	56.89 *	58.66 *	62.89 *	67.63 *	81.38 *
2.5	27.61 *	37.40 *	44.91 *	47.50 *	57.64 *	67.74 *	66.44 *	66.10 *	66.25 *	78.64 *
0.0	28.35 *	40.85 *	49.98 *	52.04 *	65.40 *	78.60 *	74.21 *	69.31 *	64.86 *	75.90 *
-2.5	27.54 *	38.60 *	46.97 *	51.08 *	64.23 *	76.31 *	74.59 *	71.73 *	72.00 *	82.85 *
-5.0	26.73 *	36.36 *	43.95 *	50.12 *	63.07 *	74.03 *	74.96 *	74.15 *	79.14 *	89.80 *
-7.5	25.92 *	34.12 *	40.94 *	49.16 *	61.91 *	71.74 *	75.33 *	76.57 *	86.28 *	96.75 *
-10.0	25.11 *	31.88 *	37.92 *	48.20 *	60.75 *	69.46 *	75.70 *	78.99 *	93.42 *	103.70 *
-12.5	24.94 *	31.18 *	34.78 *	43.19 *	55.27 *	66.34 *	73.11 *	76.37 *	89.58 *	97.31 *
-15.0	24.76 *	30.49 *	31.63 *	38.18 *	49.78 *	63.22 *	70.51 *	73.76 *	85.74 *	90.93 *
-17.5	24.59 *	29.78 *	28.49 *	33.17 *	44.29 *	60.10 *	67.92 *	71.14 *	81.91 *	84.54 *
-20.0	24.41 *	29.08 *	25.35 *	28.16 *	38.80 *	56.99 *	65.32 *	68.52 *	78.07 *	78.16 *
-22.5	22.08 *	25.95 *	23.89 *	27.80 *	37.45 *	51.61 *	56.76 *	58.36 *	66.63 *	68.84 *
-25.0	19.74 *	22.82 *	22.42 *	27.45 *	36.10 *	46.24 *	48.20 *	48.21 *	55.19 *	59.52 *
-27.5	17.40 *	19.68 *	20.96 *	27.08 *	34.75 *	40.87 *	39.64 *	38.05 *	43.75 *	50.20 *
-30.0	15.06 *	16.54 *	19.49 *	26.73 *	33.39 *	35.50 *	31.08 *	27.90 *	32.30 *	40.89 *
-32.5	14.71 *	15.86 *	18.24 *	24.12 *	29.22 *	31.74 *	28.66 *	26.50 *	30.41 *	36.63 *
-35.0	14.35 *	15.18 *	16.99 *	21.51 *	25.04 *	27.98 *	26.24 *	25.10 *	28.51 *	32.38 *
-37.5	13.99 *	14.50 *	15.74 *	18.90 *	20.87 *	24.22 *	23.83 *	23.70 *	26.61 *	28.13 *
-40.0	13.63 *	13.82 *	14.49 *	16.29 *	16.70 *	20.46 *	21.41 *	22.30 *	24.71 *	23.88 *
-42.5	11.95 *	12.39 *	13.02 *	14.53 *	15.01 *	17.84 *	18.68 *	19.61 *	21.94 *	21.32 *
-45.0	10.26	10.95	11.54	12.77 *	13.31 *	15.22 *	15.94 *	16.93 *	19.17 *	18.76 *
-47.5	8.58	9.52	10.07	11.01	11.62	12.60 *	13.21 *	14.24 *	16.40 *	16.20 *
-50.0	6.89	8.09	8.59	9.25	9.92	9.98	10.48	11.56	13.63 *	13.65 *
-52.5	6.56	7.83	8.38	8.47	8.85	8.87	9.35	10.34	12.10 *	12.31 *
-55.0	6.23	7.57	8.16	7.68	7.78	7.76	8.21	9.11	10.56	10.97
-57.5	5.91	7.31	7.94	6.90	6.71	6.65	7.07	7.89	9.03	9.62
-60.0	5.58	7.05	7.72	6.12	5.64	5.54	5.93	6.67	7.49	8.28
-62.5	5.19	6.32	6.83	5.65	5.27	5.22	5.60	6.22	6.74	7.39
-65.0	4.79	5.59	5.93	5.19	4.90	4.90	5.26	5.77	5.99	6.50

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-67.5	4.39	4.86	5.03	4.73	4.53	4.58	4.92	5.32	5.24	5.61
-70.0	3.99	4.13	4.13	4.27	4.16	4.26	4.58	4.87	4.49	4.72
-72.5	3.63	3.73	3.78	3.89	3.80	3.89	4.09	4.28	4.04	4.18
-75.0	3.26	3.33	3.42	3.50	3.44	3.51	3.59	3.70	3.58	3.64
-77.5	2.90	2.93	3.06	3.12	3.09	3.14	3.10	3.11	3.13	3.09
-80.0	2.53	2.53	2.70	2.73	2.73	2.77	2.60	2.53	2.68	2.55
-82.5	1.27	1.27	1.35	1.37	1.37	1.38	1.30	1.26	1.34	1.28
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>-15.0</u>	<u>-12.5</u>	<u>-10.0</u>	<u>-7.5</u>	<u>-5.0</u>	<u>-2.5</u>	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.16	0.16	0.22	0.34	0.35	0.42	0.42	0.34	0.29	0.20
80.0	0.32	0.32	0.44	0.67	0.70	0.84	0.84	0.68	0.58	0.39
77.5	0.33	0.32	0.42	0.59	0.61	0.71	0.72	0.59	0.51	0.36
75.0	0.33	0.33	0.39	0.51	0.52	0.59	0.59	0.49	0.44	0.33
72.5	0.34	0.34	0.37	0.42	0.43	0.47	0.46	0.40	0.38	0.29
70.0	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.30	0.31	0.26
67.5	1.38	1.45	1.38	1.49	1.46	1.51	1.45	1.38	1.30	1.20
65.0	2.41	2.56	2.41	2.63	2.58	2.68	2.56	2.46	2.29	2.13
62.5	3.44	3.67	3.44	3.78	3.70	3.85	3.68	3.54	3.28	3.07
60.0	4.47	4.78	4.47	4.92	4.82	5.03	4.79	4.62	4.26	4.00
57.5	5.24	5.88	5.51	5.72	5.22	5.26	5.03	4.99	5.01	4.57
55.0	6.00	6.99	6.55	6.52	5.61	5.49	5.26	5.36	5.75	5.15
52.5	6.77	8.09	7.59	7.32	6.00	5.73	5.50	5.73	6.50	5.72
50.0	7.53	9.20	8.63	8.12	6.39	5.97	5.73	6.11	7.24	6.29
47.5	8.25	9.70	9.42	8.79	7.36	7.37	7.33	7.72	8.49	7.70
45.0	8.97	10.21	10.21	9.46	8.33	8.77	8.93	9.34	9.73	9.12
42.5	9.69	10.72	11.00	10.12	9.30	10.17	10.53	10.96	10.98	10.53
40.0	10.41	11.23	11.78	10.79	10.27	11.57	12.12 *	12.58 *	12.22 *	11.95 *
37.5	13.04 *	15.30 *	15.97 *	14.27 *	13.17 *	12.99 *	12.72 *	12.97 *	13.13 *	13.34 *
35.0	15.67 *	19.37 *	20.15 *	17.75 *	16.07 *	14.42 *	13.32 *	13.36 *	14.03 *	14.74 *
32.5	18.30 *	23.43 *	24.33 *	21.22 *	18.97 *	15.84 *	13.92 *	13.75 *	14.93 *	16.13 *
30.0	20.92 *	27.50 *	28.51 *	24.70 *	21.87 *	17.26 *	14.52 *	14.15 *	15.83 *	17.53 *
27.5	25.18 *	30.04 *	31.04 *	28.37 *	27.45 *	24.48 *	21.48 *	19.94 *	19.71 *	20.03 *
25.0	29.43 *	32.57 *	33.56 *	32.04 *	33.03 *	31.69 *	28.43 *	25.73 *	23.59 *	22.54 *
22.5	33.69 *	35.10 *	36.09 *	35.71 *	38.62 *	38.91 *	35.39 *	31.52 *	27.47 *	25.04 *
20.0	37.94 *	37.64 *	38.62 *	39.38 *	44.20 *	46.12 *	42.34 *	37.31 *	31.35 *	27.54 *
17.5	50.36 *	47.31 *	46.47 *	45.38 *	47.09 *	47.58 *	45.17 *	41.63 *	39.04 *	36.11 *
15.0	62.77 *	56.99 *	54.32 *	51.39 *	49.97 *	49.03 *	47.99 *	45.95 *	46.73 *	44.69 *
12.5	75.19 *	66.66 *	62.17 *	57.40 *	52.86 *	50.49 *	50.82 *	50.28 *	54.42 *	53.26 *
10.0	87.60 *	76.34 *	70.02 *	63.41 *	55.74 *	51.95 *	53.65 *	54.60 *	62.11 *	61.83 *
7.5	86.25 *	79.34 *	79.23 *	77.36 *	70.35 *	63.99 *	61.91 *	59.85 *	63.34 *	60.30 *
5.0	84.89 *	82.34 *	88.43 *	91.31 *	84.96 *	76.03 *	70.17 *	65.10 *	64.57 *	58.76 *
2.5	83.54 *	85.35 *	97.64 *	105.26 *	99.58 *	88.08 *	78.43 *	70.35 *	65.80 *	57.23 *
0.0	82.18 *	88.35 *	106.85 *	119.21 *	114.19 *	100.12 *	86.69 *	75.60 *	67.03 *	55.69 *
-2.5	85.99 *	89.50 *	104.04 *	111.80 *	105.75 *	93.35 *	80.78 *	74.14 *	68.92 *	57.64 *
-5.0	89.80 *	90.64 *	101.23 *	104.40 *	97.31 *	86.59 *	74.87 *	72.69 *	70.81 *	59.59 *
-7.5	93.62 *	91.79 *	98.42 *	96.99 *	88.87 *	79.82 *	68.96 *	71.23 *	72.70 *	61.53 *
-10.0	97.43 *	92.94 *	95.61 *	89.58 *	80.43 *	73.05 *	63.05 *	69.78 *	74.58 *	63.48 *
-12.5	90.74 *	85.99 *	88.01 *	84.92 *	76.19 *	71.62 *	65.29 *	71.19 *	74.43 *	62.37 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-15.0	84.04 *	79.05 *	80.41 *	80.25 *	71.94 *	70.19 *	67.53 *	72.59 *	74.27 *	61.26 *
-17.5	77.35 *	72.10 *	72.81 *	75.59 *	67.70 *	68.75 *	69.77 *	74.00 *	74.11 *	60.15 *
-20.0	70.65 *	65.16 *	65.21 *	70.92 *	63.46 *	67.32 *	72.01 *	75.41 *	73.95 *	59.05 *
-22.5	63.55 *	59.79 *	61.21 *	64.73 *	57.73 *	59.27 *	61.54 *	64.15 *	62.12 *	49.51 *
-25.0	56.44 *	54.43 *	57.20 *	58.53 *	51.99 *	51.22 *	51.06 *	52.89 *	50.29 *	39.97 *
-27.5	49.34 *	49.06 *	53.20 *	52.33 *	46.26 *	43.18 *	40.59 *	41.63 *	38.47 *	30.44 *
-30.0	42.23 *	43.69 *	49.19 *	46.14 *	40.52 *	35.13 *	30.11 *	30.38 *	26.64 *	20.90 *
-32.5	36.85 *	37.49 *	41.54 *	39.31 *	34.75 *	30.70 *	27.47 *	29.10 *	25.97 *	19.56 *
-35.0	31.46 *	31.29 *	33.88 *	32.49 *	28.98 *	26.26 *	24.83 *	27.82 *	25.29 *	18.22 *
-37.5	26.07 *	25.08 *	26.22 *	25.67 *	23.21 *	21.82 *	22.19 *	26.54 *	24.62 *	16.87 *
-40.0	20.68 *	18.88 *	18.56 *	18.85 *	17.44 *	17.38 *	19.54 *	25.26 *	23.94 *	15.53 *
-42.5	18.53 *	17.13 *	17.17 *	18.38 *	17.28 *	15.70 *	17.05 *	21.31 *	20.44 *	14.28 *
-45.0	16.38 *	15.39 *	15.77 *	17.91 *	17.11 *	14.01 *	14.56 *	17.36 *	16.93 *	13.04 *
-47.5	14.23 *	13.64 *	14.37 *	17.44 *	16.94 *	12.33 *	12.07 *	13.41 *	13.43 *	11.80
-50.0	12.08 *	11.90	12.97 *	16.98 *	16.77 *	10.65	9.58	9.46	9.92	10.55
-52.5	11.26	10.84	11.50	14.48 *	14.54 *	10.19	9.40	9.45	10.18	10.04
-55.0	10.43	9.79	10.03	11.98 *	12.31 *	9.74	9.22	9.45	10.43	9.54
-57.5	9.60	8.73	8.56	9.49	10.08	9.29	9.04	9.45	10.69	9.03
-60.0	8.77	7.68	7.09	6.99	7.85	8.84	8.86	9.45	10.94	8.53
-62.5	7.78	6.96	6.59	6.67	7.20	7.81	7.74	8.16	9.34	7.60
-65.0	6.78	6.25	6.09	6.36	6.54	6.79	6.62	6.87	7.74	6.68
-67.5	5.78	5.53	5.59	6.04	5.89	5.76	5.50	5.57	6.14	5.76
-70.0	4.78	4.81	5.09	5.73	5.24	4.73	4.37	4.28	4.54	4.84
-72.5	4.21	4.24	4.41	4.89	4.57	4.20	3.85	3.76	3.99	4.20
-75.0	3.64	3.67	3.72	4.05	3.90	3.67	3.32	3.25	3.43	3.57
-77.5	3.07	3.09	3.04	3.20	3.23	3.14	2.79	2.74	2.87	2.93
-80.0	2.49	2.52	2.35	2.36	2.56	2.62	2.26	2.22	2.31	2.30
-82.5	1.25	1.26	1.18	1.18	1.28	1.31	1.13	1.11	1.16	1.15
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.13	0.11	0.11	0.19	0.21	0.21	0.22	0.22	0.22	0.22
80.0	0.26	0.22	0.22	0.38	0.41	0.42	0.43	0.44	0.44	0.44
77.5	0.26	0.23	0.23	0.35	0.37	0.37	0.38	0.38	0.38	0.38
75.0	0.26	0.24	0.24	0.32	0.32	0.32	0.33	0.31	0.31	0.31
72.5	0.26	0.25	0.25	0.28	0.27	0.27	0.28	0.25	0.25	0.25
70.0	0.26	0.26	0.26	0.25	0.22	0.21	0.22	0.18	0.18	0.18
67.5	1.20	1.15	1.21	1.23	1.11	0.95	0.96	0.87	0.85	0.83
65.0	2.13	2.03	2.16	2.21	1.99	1.68	1.70	1.56	1.51	1.49
62.5	3.07	2.92	3.11	3.18	2.88	2.41	2.44	2.25	2.18	2.14
60.0	4.00	3.81	4.06	4.16	3.77	3.15	3.18	2.94	2.84	2.79
57.5	4.53	4.34	4.40	4.53	4.27	3.73	3.58	3.45	3.39	3.09
55.0	5.05	4.88	4.74	4.90	4.77	4.31	3.98	3.96	3.93	3.40
52.5	5.58	5.41	5.08	5.27	5.27	4.89	4.38	4.47	4.48	3.70
50.0	6.11	5.95	5.42	5.64	5.77	5.48	4.78	4.98	5.02	4.01
47.5	6.93	6.23	5.78	5.99	6.09	5.87	5.18	5.18	5.01	4.37
45.0	7.74	6.51	6.14	6.35	6.40	6.27	5.58	5.39	5.00	4.73
42.5	8.56	6.79	6.51	6.70	6.71	6.67	5.98	5.60	4.99	5.10
40.0	9.37	7.07	6.87	7.05	7.02	7.07	6.37	5.80	4.98	5.46

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

37.5	11.63	8.94	7.85	7.61	7.37	7.48	6.77	6.40	5.78	6.10
35.0	13.89 *	10.80	8.82	8.17	7.72	7.90	7.16	6.99	6.58	6.73
32.5	16.15 *	12.67 *	9.80	8.73	8.07	8.31	7.56	7.58	7.38	7.36
30.0	18.40 *	14.54 *	10.78	9.29	8.42	8.73	7.96	8.18	8.18	7.99
27.5	18.80 *	15.70 *	13.48 *	12.83 *	11.61	11.12	9.24	8.33	8.00	7.97
25.0	19.19 *	16.86 *	16.18 *	16.38 *	14.79 *	13.52 *	10.51	8.48	7.81	7.96
22.5	19.59 *	18.02 *	18.88 *	19.93 *	17.97 *	15.92 *	11.79	8.63	7.62	7.94
20.0	19.99 *	19.19 *	21.58 *	23.48 *	21.15 *	18.32 *	13.07 *	8.78	7.43	7.92
17.5	26.60 *	21.62 *	21.59 *	22.62 *	20.18 *	19.09 *	14.56 *	10.67	9.29	8.95
15.0	33.20 *	24.05 *	21.59 *	21.77 *	19.21 *	19.86 *	16.05 *	12.56 *	11.15	9.99
12.5	39.81 *	26.47 *	21.59 *	20.92 *	18.24 *	20.63 *	17.55 *	14.45 *	13.01 *	11.01
10.0	46.41 *	28.90 *	21.59 *	20.07 *	17.27 *	21.40 *	19.04 *	16.34 *	14.87 *	12.04 *
7.5	46.47 *	30.80 *	25.20 *	23.84 *	20.51 *	22.33 *	19.62 *	16.40 *	15.34 *	12.63 *
5.0	46.52 *	32.71 *	28.80 *	27.62 *	23.74 *	23.26 *	20.19 *	16.46 *	15.80 *	13.22 *
2.5	46.58 *	34.61 *	32.41 *	31.40 *	26.98 *	24.19 *	20.77 *	16.51 *	16.27 *	13.81 *
0.0	46.64 *	36.51 *	36.01 *	35.18 *	30.21 *	25.12 *	21.34 *	16.57 *	16.74 *	14.40 *
-2.5	47.68 *	39.08 *	38.82 *	35.74 *	30.30 *	24.73 *	20.21 *	15.98 *	16.24 *	13.96 *
-5.0	48.71 *	41.64 *	41.62 *	36.31 *	30.39 *	24.34 *	19.07 *	15.40 *	15.73 *	13.53 *
-7.5	49.74 *	44.21 *	44.43 *	36.87 *	30.48 *	23.95 *	17.94 *	14.81 *	15.23 *	13.09 *
-10.0	50.77 *	46.77 *	47.23 *	37.44 *	30.56 *	23.56 *	16.81 *	14.22 *	14.73 *	12.65 *
-12.5	47.55 *	42.85 *	41.78 *	34.16 *	29.72 *	24.95 *	18.44 *	15.20 *	14.44 *	12.12 *
-15.0	44.32 *	38.93 *	36.32 *	30.87 *	28.87 *	26.34 *	20.06 *	16.19 *	14.14 *	11.60
-17.5	41.10 *	35.00 *	30.86 *	27.59 *	28.03 *	27.73 *	21.68 *	17.17 *	13.85 *	11.07
-20.0	37.88 *	31.08 *	25.40 *	24.30 *	27.18 *	29.12 *	23.30 *	18.16 *	13.55 *	10.55
-22.5	33.82 *	29.44 *	25.39 *	22.89 *	23.93 *	24.72 *	20.07 *	16.16 *	12.49 *	10.11
-25.0	29.75 *	27.79 *	25.37 *	21.49 *	20.68 *	20.32 *	16.84 *	14.16 *	11.42	9.67
-27.5	25.69 *	26.15 *	25.36 *	20.08 *	17.43 *	15.92 *	13.61 *	12.16 *	10.36	9.23
-30.0	21.62 *	24.50 *	25.34 *	18.68 *	14.18 *	11.51	10.37	10.16	9.29	8.79
-32.5	19.47 *	21.69 *	21.90 *	16.49 *	12.99 *	11.28	10.28	9.81	9.84	9.68
-35.0	17.31 *	18.88 *	18.45 *	14.31 *	11.79	11.04	10.18	9.46	10.39	10.58
-37.5	15.16 *	16.07 *	15.01 *	12.13 *	10.60	10.81	10.09	9.11	10.95	11.47
-40.0	13.01 *	13.26 *	11.57	9.95	9.40	10.58	10.00	8.77	11.50	12.37 *
-42.5	12.33 *	12.76 *	10.86	10.13	10.13	10.05	9.23	8.29	10.10	10.82
-45.0	11.64	12.25 *	10.14	10.32	10.85	9.53	8.46	7.81	8.70	9.28
-47.5	10.96	11.75	9.43	10.51	11.57	9.00	7.69	7.33	7.30	7.74
-50.0	10.27	11.24	8.71	10.70	12.29 *	8.48	6.92	6.85	5.90	6.20
-52.5	9.29	9.94	8.09	9.59	10.84	7.97	6.54	6.35	5.61	5.65
-55.0	8.31	8.63	7.46	8.48	9.38	7.47	6.16	5.85	5.32	5.11
-57.5	7.33	7.33	6.84	7.37	7.92	6.95	5.78	5.35	5.03	4.57
-60.0	6.35	6.02	6.22	6.27	6.46	6.44	5.39	4.86	4.74	4.03
-62.5	6.02	5.50	5.53	5.58	5.72	5.70	4.92	4.46	4.29	3.76
-65.0	5.68	4.98	4.84	4.89	4.98	4.96	4.44	4.07	3.84	3.49
-67.5	5.35	4.47	4.15	4.19	4.24	4.21	3.97	3.68	3.39	3.22
-70.0	5.01	3.95	3.46	3.50	3.49	3.46	3.49	3.30	2.93	2.95
-72.5	4.32	3.49	3.08	3.08	3.05	3.03	3.05	2.89	2.55	2.59
-75.0	3.63	3.04	2.70	2.66	2.61	2.59	2.61	2.48	2.16	2.23
-77.5	2.94	2.58	2.32	2.23	2.18	2.16	2.17	2.07	1.77	1.86
-80.0	2.25	2.12	1.93	1.81	1.74	1.73	1.73	1.66	1.38	1.50
-82.5	1.13	1.06	0.97	0.91	0.87	0.87	0.87	0.83	0.69	0.75
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.22	0.20	0.19	0.18	0.17	0.16	0.16	0.14	0.15	0.12
80.0	0.43	0.39	0.38	0.36	0.34	0.32	0.31	0.29	0.29	0.25
77.5	0.37	0.34	0.33	0.32	0.30	0.28	0.27	0.25	0.26	0.22
75.0	0.31	0.29	0.28	0.27	0.25	0.24	0.23	0.22	0.22	0.20
72.5	0.25	0.23	0.23	0.22	0.21	0.20	0.19	0.19	0.19	0.18
70.0	0.18	0.18	0.17	0.18	0.16	0.15	0.15	0.15	0.15	0.15
67.5	0.81	0.71	0.68	0.63	0.63	0.55	0.52	0.48	0.43	0.41
65.0	1.43	1.25	1.19	1.09	1.09	0.95	0.89	0.80	0.70	0.68
62.5	2.06	1.79	1.70	1.54	1.55	1.35	1.26	1.12	0.98	0.94
60.0	2.68	2.32	2.20	1.99	2.01	1.75	1.63	1.45	1.25	1.20
57.5	2.95	2.79	2.59	2.28	2.27	1.98	1.80	1.65	1.43	1.32
55.0	3.22	3.26	2.97	2.57	2.52	2.21	1.97	1.86	1.61	1.43
52.5	3.49	3.73	3.35	2.87	2.78	2.44	2.15	2.06	1.79	1.55
50.0	3.76	4.20	3.73	3.16	3.03	2.68	2.32	2.26	1.97	1.67
47.5	4.10	4.41	3.96	3.51	3.27	3.07	2.68	2.50	2.17	1.86
45.0	4.43	4.61	4.19	3.87	3.51	3.46	3.03	2.74	2.37	2.06
42.5	4.77	4.82	4.42	4.22	3.75	3.85	3.38	2.98	2.58	2.26
40.0	5.10	5.03	4.65	4.57	3.99	4.24	3.73	3.22	2.78	2.46
37.5	5.45	5.07	4.64	4.76	4.33	4.31	3.92	3.46	2.98	2.67
35.0	5.80	5.11	4.63	4.95	4.66	4.38	4.10	3.71	3.17	2.88
32.5	6.15	5.16	4.62	5.13	5.00	4.45	4.28	3.95	3.37	3.09
30.0	6.50	5.21	4.60	5.32	5.34	4.53	4.46	4.20	3.57	3.30
27.5	6.86	6.49	5.97	5.94	5.56	4.53	4.42	4.25	3.72	3.50
25.0	7.22	7.78	7.34	6.57	5.78	4.53	4.38	4.31	3.86	3.71
22.5	7.58	9.07	8.71	7.19	6.00	4.53	4.34	4.37	4.01	3.91
20.0	7.93	10.36	10.08	7.81	6.22	4.54	4.29	4.43	4.15	4.11
17.5	8.22	9.75	9.41	7.45	6.39	5.37	5.49	4.76	4.17	4.05
15.0	8.51	9.15	8.74	7.09	6.56	6.20	6.69	5.08	4.19	4.00
12.5	8.80	8.55	8.08	6.73	6.73	7.03	7.89	5.40	4.22	3.95
10.0	9.08	7.96	7.41	6.36	6.89	7.86	9.09	5.73	4.24	3.90
7.5	9.64	8.48	7.93	6.75	6.93	7.45	8.21	5.73	4.48	3.96
5.0	10.20	9.00	8.44	7.13	6.96	7.03	7.33	5.73	4.71	4.03
2.5	10.76	9.52	8.96	7.52	7.00	6.62	6.46	5.73	4.95	4.09
0.0	11.31	10.05	9.47	7.91	7.03	6.21	5.58	5.73	5.19	4.16
-2.5	11.58	10.55	11.41	8.29	6.89	6.09	5.59	5.84	5.07	4.28
-5.0	11.84	11.05	13.34 *	8.66	6.75	5.98	5.60	5.95	4.94	4.39
-7.5	12.11 *	11.56	15.28 *	9.04	6.61	5.86	5.61	6.06	4.82	4.50
-10.0	12.38 *	12.06 *	17.21 *	9.42	6.47	5.75	5.62	6.17	4.69	4.62
-12.5	11.51	11.15	15.18 *	9.04	6.63	5.83	5.60	5.91	4.75	4.63
-15.0	10.63	10.24	13.14 *	8.67	6.79	5.91	5.57	5.66	4.80	4.64
-17.5	9.76	9.32	11.11	8.29	6.96	5.98	5.55	5.40	4.86	4.65
-20.0	8.88	8.41	9.08	7.92	7.12	6.06	5.53	5.14	4.92	4.66
-22.5	8.96	8.61	8.63	7.77	7.14	6.47	5.93	5.05	4.80	4.50
-25.0	9.03	8.80	8.18	7.62	7.15	6.88	6.32	4.96	4.67	4.34
-27.5	9.11	9.00	7.73	7.47	7.16	7.29	6.71	4.86	4.55	4.18
-30.0	9.19	9.20	7.28	7.32	7.17	7.70	7.10	4.77	4.43	4.02
-32.5	9.34	9.14	6.81	6.86	6.78	7.15	6.57	4.70	4.29	3.92
-35.0	9.48	9.08	6.34	6.40	6.38	6.60	6.04	4.62	4.14	3.82
-37.5	9.62	9.02	5.87	5.94	5.99	6.05	5.51	4.55	4.00	3.71
-40.0	9.76	8.96	5.40	5.48	5.59	5.51	4.98	4.47	3.85	3.61

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-42.5	8.96	8.28	5.52	5.26	5.25	5.17	4.75	4.13	3.60	3.36
-45.0	8.15	7.60	5.64	5.05	4.91	4.83	4.52	3.79	3.34	3.10
-47.5	7.34	6.92	5.76	4.84	4.57	4.49	4.30	3.45	3.09	2.85
-50.0	6.53	6.24	5.88	4.63	4.23	4.16	4.07	3.11	2.84	2.60
-52.5	5.99	5.83	5.43	4.40	3.93	3.84	3.74	3.03	2.72	2.43
-55.0	5.44	5.43	4.98	4.17	3.62	3.52	3.40	2.94	2.59	2.27
-57.5	4.90	5.02	4.53	3.94	3.32	3.21	3.07	2.86	2.46	2.11
-60.0	4.35	4.62	4.07	3.72	3.02	2.89	2.74	2.78	2.33	1.94
-62.5	3.93	4.10	3.61	3.33	2.78	2.59	2.46	2.47	2.11	1.77
-65.0	3.51	3.59	3.15	2.95	2.54	2.28	2.17	2.16	1.88	1.60
-67.5	3.09	3.07	2.69	2.57	2.31	1.98	1.88	1.85	1.65	1.43
-70.0	2.66	2.56	2.23	2.19	2.07	1.67	1.59	1.54	1.42	1.26
-72.5	2.32	2.22	1.98	1.91	1.82	1.49	1.43	1.38	1.24	1.11
-75.0	1.98	1.89	1.73	1.64	1.57	1.32	1.27	1.21	1.05	0.96
-77.5	1.64	1.55	1.48	1.36	1.33	1.14	1.11	1.04	0.87	0.81
-80.0	1.30	1.21	1.22	1.09	1.08	0.97	0.95	0.87	0.69	0.66
-82.5	0.65	0.61	0.61	0.54	0.54	0.48	0.48	0.44	0.35	0.33
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5	80.0	82.5
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.12	0.12	0.11	0.09	0.06	0.05	0.05	0.05	0.05	0.05
80.0	0.24	0.24	0.22	0.18	0.12	0.10	0.10	0.10	0.10	0.10
77.5	0.22	0.22	0.21	0.18	0.14	0.12	0.12	0.11	0.11	0.11
75.0	0.20	0.20	0.19	0.19	0.16	0.15	0.13	0.11	0.11	0.11
72.5	0.18	0.18	0.18	0.19	0.18	0.17	0.14	0.11	0.11	0.11
70.0	0.15	0.15	0.16	0.19	0.19	0.19	0.15	0.11	0.11	0.11
67.5	0.41	0.35	0.32	0.31	0.29	0.26	0.21	0.17	0.15	0.14
65.0	0.66	0.56	0.47	0.43	0.39	0.33	0.27	0.22	0.19	0.17
62.5	0.92	0.76	0.63	0.55	0.49	0.39	0.33	0.27	0.23	0.19
60.0	1.17	0.96	0.78	0.67	0.59	0.46	0.39	0.32	0.27	0.22
57.5	1.27	1.04	0.85	0.73	0.64	0.48	0.41	0.32	0.26	0.20
55.0	1.37	1.11	0.92	0.79	0.68	0.51	0.42	0.33	0.25	0.19
52.5	1.47	1.19	0.99	0.85	0.73	0.54	0.44	0.33	0.24	0.16
50.0	1.56	1.26	1.06	0.91	0.77	0.56	0.45	0.33	0.23	0.14
47.5	1.69	1.43	1.22	1.03	0.85	0.63	0.52	0.38	0.27	0.19
45.0	1.82	1.60	1.38	1.16	0.92	0.71	0.58	0.44	0.30	0.23
42.5	1.95	1.76	1.54	1.28	1.00	0.78	0.65	0.49	0.33	0.28
40.0	2.07	1.93	1.70	1.41	1.08	0.85	0.71	0.55	0.36	0.32
37.5	2.28	2.10	1.79	1.47	1.12	0.89	0.73	0.54	0.36	0.30
35.0	2.49	2.27	1.88	1.53	1.15	0.93	0.75	0.53	0.35	0.27
32.5	2.70	2.43	1.98	1.59	1.18	0.97	0.77	0.52	0.34	0.24
30.0	2.91	2.60	2.07	1.65	1.21	1.01	0.78	0.52	0.33	0.22
27.5	3.05	2.68	2.15	1.75	1.35	1.07	0.83	0.58	0.39	0.25
25.0	3.19	2.76	2.22	1.85	1.48	1.14	0.87	0.64	0.44	0.29
22.5	3.33	2.83	2.30	1.94	1.62	1.21	0.92	0.70	0.50	0.32
20.0	3.46	2.91	2.37	2.04	1.75	1.28	0.96	0.77	0.56	0.36
17.5	3.48	2.95	2.46	2.13	1.86	1.35	0.96	0.74	0.55	0.34
15.0	3.50	3.00	2.54	2.21	1.96	1.42	0.95	0.72	0.53	0.32
12.5	3.52	3.04	2.63	2.29	2.07	1.49	0.95	0.70	0.51	0.30

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CANDELA TABULATION - (Cont.)

10.0	3.54	3.09	2.71	2.38	2.17	1.57	0.95	0.68	0.49	0.28
7.5	3.61	3.21	2.83	2.42	2.09	1.54	0.99	0.73	0.52	0.32
5.0	3.68	3.34	2.94	2.46	2.00	1.52	1.03	0.79	0.55	0.36
2.5	3.76	3.47	3.06	2.50	1.92	1.49	1.07	0.84	0.58	0.40
0.0	3.83	3.59	3.17	2.54	1.84	1.46	1.11	0.89	0.60	0.44
-2.5	3.86	3.58	3.13	2.54	1.81	1.43	1.10	0.86	0.58	0.40
-5.0	3.89	3.57	3.08	2.55	1.78	1.41	1.08	0.83	0.55	0.36
-7.5	3.93	3.55	3.04	2.55	1.76	1.38	1.07	0.80	0.53	0.33
-10.0	3.96	3.54	2.99	2.56	1.73	1.35	1.05	0.77	0.50	0.29
-12.5	4.00	3.48	2.90	2.51	1.79	1.38	1.05	0.77	0.53	0.32
-15.0	4.04	3.43	2.80	2.46	1.84	1.41	1.04	0.78	0.55	0.34
-17.5	4.09	3.37	2.71	2.41	1.90	1.44	1.04	0.78	0.58	0.37
-20.0	4.13	3.31	2.62	2.36	1.96	1.47	1.04	0.79	0.60	0.39
-22.5	4.07	3.26	2.61	2.31	1.93	1.42	0.98	0.74	0.56	0.36
-25.0	4.01	3.21	2.60	2.26	1.89	1.38	0.92	0.70	0.52	0.33
-27.5	3.95	3.16	2.59	2.20	1.86	1.34	0.87	0.65	0.48	0.29
-30.0	3.89	3.11	2.58	2.15	1.83	1.29	0.81	0.61	0.43	0.26
-32.5	3.72	3.13	2.53	2.06	1.72	1.24	0.82	0.63	0.45	0.27
-35.0	3.54	3.15	2.47	1.98	1.61	1.18	0.83	0.66	0.46	0.29
-37.5	3.37	3.16	2.41	1.89	1.51	1.13	0.84	0.69	0.48	0.30
-40.0	3.19	3.18	2.35	1.80	1.40	1.07	0.85	0.72	0.49	0.32
-42.5	2.96	2.86	2.16	1.67	1.32	1.01	0.78	0.64	0.44	0.28
-45.0	2.72	2.54	1.96	1.54	1.23	0.95	0.71	0.56	0.39	0.24
-47.5	2.48	2.22	1.76	1.41	1.14	0.89	0.64	0.48	0.35	0.20
-50.0	2.24	1.90	1.56	1.28	1.05	0.83	0.56	0.39	0.30	0.16
-52.5	2.09	1.79	1.47	1.20	0.98	0.79	0.55	0.39	0.30	0.18
-55.0	1.93	1.68	1.38	1.12	0.91	0.75	0.54	0.39	0.30	0.20
-57.5	1.78	1.57	1.29	1.04	0.84	0.71	0.53	0.39	0.30	0.21
-60.0	1.62	1.46	1.19	0.96	0.77	0.68	0.52	0.39	0.30	0.23
-62.5	1.48	1.32	1.05	0.87	0.69	0.61	0.46	0.34	0.26	0.20
-65.0	1.33	1.18	0.90	0.77	0.60	0.54	0.39	0.29	0.21	0.16
-67.5	1.19	1.04	0.76	0.68	0.51	0.48	0.33	0.24	0.17	0.13
-70.0	1.04	0.90	0.62	0.58	0.42	0.41	0.26	0.19	0.12	0.09
-72.5	0.92	0.80	0.56	0.52	0.39	0.38	0.26	0.19	0.13	0.10
-75.0	0.79	0.70	0.50	0.45	0.36	0.34	0.25	0.19	0.14	0.11
-77.5	0.67	0.59	0.44	0.39	0.33	0.31	0.25	0.19	0.15	0.12
-80.0	0.54	0.49	0.38	0.33	0.30	0.27	0.24	0.20	0.15	0.12
-82.5	0.27	0.24	0.19	0.16	0.15	0.14	0.12	0.10	0.08	0.06
-85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
90.0	0.00	0.00	0.00
87.5	0.00	0.00	0.00
85.0	0.00	0.00	0.00
82.5	0.05	0.05	0.05
80.0	0.10	0.10	0.10
77.5	0.11	0.10	0.10
75.0	0.11	0.10	0.10
72.5	0.11	0.10	0.10
70.0	0.11	0.10	0.10
67.5	0.13	0.11	0.11
65.0	0.15	0.12	0.11

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CANDELA TABULATION - (Cont.)

62.5	0.17	0.13	0.12
60.0	0.18	0.14	0.12
57.5	0.17	0.14	0.12
55.0	0.15	0.13	0.12
52.5	0.13	0.12	0.12
50.0	0.11	0.11	0.11
47.5	0.14	0.12	0.11
45.0	0.16	0.13	0.10
42.5	0.18	0.13	0.10
40.0	0.20	0.14	0.09
37.5	0.18	0.12	0.09
35.0	0.15	0.11	0.09
32.5	0.13	0.10	0.09
30.0	0.10	0.08	0.08
27.5	0.14	0.10	0.08
25.0	0.17	0.11	0.08
22.5	0.21	0.12	0.08
20.0	0.24	0.14	0.07
17.5	0.22	0.12	0.07
15.0	0.19	0.10	0.07
12.5	0.17	0.08	0.07
10.0	0.14	0.07	0.06
7.5	0.17	0.08	0.06
5.0	0.20	0.10	0.06
2.5	0.23	0.12	0.06
0.0	0.25	0.13	0.06
-2.5	0.23	0.11	0.06
-5.0	0.20	0.10	0.06
-7.5	0.18	0.07	0.05
-10.0	0.15	0.05	0.05
-12.5	0.17	0.07	0.06
-15.0	0.19	0.09	0.06
-17.5	0.21	0.11	0.06
-20.0	0.23	0.12	0.06
-22.5	0.20	0.11	0.06
-25.0	0.17	0.09	0.06
-27.5	0.14	0.07	0.06
-30.0	0.11	0.05	0.05
-32.5	0.14	0.07	0.05
-35.0	0.16	0.08	0.05
-37.5	0.18	0.09	0.05
-40.0	0.20	0.11	0.05
-42.5	0.18	0.09	0.05
-45.0	0.15	0.08	0.05
-47.5	0.12	0.07	0.05
-50.0	0.09	0.05	0.05
-52.5	0.11	0.07	0.06
-55.0	0.13	0.08	0.06
-57.5	0.15	0.09	0.06
-60.0	0.17	0.10	0.06
-62.5	0.14	0.09	0.06
-65.0	0.11	0.07	0.05
-67.5	0.08	0.06	0.05
-70.0	0.04	0.04	0.04
-72.5	0.06	0.05	0.04
-75.0	0.07	0.07	0.03

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CANDELA TABULATION - (Cont.)

-77.5	0.09	0.07	0.03
-80.0	0.10	0.08	0.02
-82.5	0.05	0.04	0.01
-85.0	0.00	0.00	0.00
-87.5	0.00	0.00	0.00
-90.0	0.00	0.00	0.00

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 41.51

Total Field Lumens (one side of beam only) = 32.35

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>2.5</u>	<u>5</u>	<u>7.5</u>	<u>10</u>	<u>12.5</u>	<u>15</u>	<u>17.5</u>	<u>20</u>	<u>22.5</u>
90										
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
62.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
60	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
57.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
55	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
50	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
47.5	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
45	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42.5	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
40	0.02 *	0.02 *	0.02 *	0.02	0.02	0.02	0.02	0.02	0.02	0.01
37.5	0.03 *	0.03 *	0.03 *	0.03 *	0.03	0.02	0.02	0.02	0.02	0.02
35	0.03 *	0.03 *	0.03 *	0.03 *	0.03 *	0.03	0.02	0.02	0.02	0.02
32.5	0.03 *	0.03 *	0.04 *	0.04 *	0.04 *	0.03 *	0.03	0.02	0.02	0.02

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LUMENS TABULATION - (Cont.)

30	0.04 *	0.04 *	0.04 *	0.04 *	0.04 *	0.04 *	0.03	0.03	0.03	0.03
27.5	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *	0.04 *	0.04 *	0.04 *	0.04 *	0.03
25	0.06 *	0.06 *	0.06 *	0.05 *	0.05 *	0.05 *	0.04 *	0.04 *	0.04 *	0.04 *
22.5	0.07 *	0.07 *	0.06 *	0.06 *	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *
20	0.08 *	0.08 *	0.07 *	0.07 *	0.06 *	0.06 *	0.06 *	0.06 *	0.06 *	0.05 *
17.5	0.09 *	0.09 *	0.09 *	0.08 *	0.07 *	0.07 *	0.07 *	0.07 *	0.06 *	0.05 *
15	0.09 *	0.09 *	0.10 *	0.09 *	0.08 *	0.08 *	0.08 *	0.08 *	0.07 *	0.06 *
12.5	0.10 *	0.10 *	0.11 *	0.11 *	0.10 *	0.09 *	0.09 *	0.08 *	0.07 *	0.06 *
10	0.11 *	0.11 *	0.12 *	0.12 *	0.11 *	0.10 *	0.10 *	0.09 *	0.07 *	0.06 *
7.5	0.13 *	0.13 *	0.14 *	0.13 *	0.11 *	0.10 *	0.10 *	0.09 *	0.08 *	0.07 *
5	0.14 *	0.15 *	0.15 *	0.14 *	0.12 *	0.11 *	0.10 *	0.09 *	0.08 *	0.07 *
2.5	0.16 *	0.16 *	0.16 *	0.15 *	0.13 *	0.11 *	0.10 *	0.09 *	0.08 *	0.08 *
0	0.16 *	0.17 *	0.17 *	0.15 *	0.13 *	0.11 *	0.11 *	0.10 *	0.09 *	0.08 *
-2.5	0.15 *	0.16 *	0.16 *	0.15 *	0.13 *	0.12 *	0.11 *	0.10 *	0.09 *	0.08 *
-5	0.14 *	0.15 *	0.15 *	0.15 *	0.13 *	0.12 *	0.12 *	0.11 *	0.09 *	0.08 *
-7.5	0.13 *	0.14 *	0.15 *	0.14 *	0.13 *	0.13 *	0.13 *	0.12 *	0.10 *	0.08 *
-10	0.13 *	0.14 *	0.14 *	0.14 *	0.13 *	0.13 *	0.13 *	0.12 *	0.10 *	0.08 *
-12.5	0.13 *	0.14 *	0.14 *	0.13 *	0.12 *	0.12 *	0.12 *	0.11 *	0.10 *	0.08 *
-15	0.13 *	0.14 *	0.13 *	0.12 *	0.11 *	0.10 *	0.11 *	0.10 *	0.09 *	0.08 *
-17.5	0.14 *	0.13 *	0.13 *	0.11 *	0.10 *	0.09 *	0.10 *	0.10 *	0.09 *	0.08 *
-20	0.13 *	0.12 *	0.12 *	0.10 *	0.09 *	0.09 *	0.09 *	0.09 *	0.08 *	0.08 *
-22.5	0.11 *	0.11 *	0.10 *	0.09 *	0.08 *	0.08 *	0.08 *	0.08 *	0.07 *	0.06 *
-25	0.09 *	0.09 *	0.09 *	0.08 *	0.08 *	0.07 *	0.07 *	0.06 *	0.06 *	0.05 *
-27.5	0.07 *	0.07 *	0.07 *	0.07 *	0.07 *	0.07 *	0.06 *	0.05 *	0.04 *	0.04 *
-30	0.06 *	0.06 *	0.06 *	0.06 *	0.06 *	0.06 *	0.05 *	0.05 *	0.04 *	0.03
-32.5	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *	0.05 *	0.04 *	0.03	0.03
-35	0.05 *	0.05 *	0.05 *	0.04 *	0.04 *	0.04 *	0.04 *	0.04 *	0.03	0.03
-37.5	0.04 *	0.04 *	0.04 *	0.04 *	0.03 *	0.03 *	0.03 *	0.03	0.03	0.03

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LUMENS TABULATION - (Cont.)

-40	0.04 *	0.04 *	0.03 *	0.03 *	0.03 *	0.03 *	0.03	0.03	0.03	0.03
-42.5	0.03 *	0.03 *	0.03 *	0.03 *	0.03 *	0.03	0.03	0.03	0.03	0.02
-45	0.03 *	0.03 *	0.03 *	0.03	0.02	0.02	0.02	0.03	0.02	0.02
-47.5	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-50	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-52.5	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
-55	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
-57.5	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-60	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-62.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-70	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-72.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-75	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-77.5	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.33	3.44	3.44	3.24	2.95	2.78	2.70	2.53	2.29	2.06

Vert. Angles	Horizontal Angles									
	<u>25</u>	<u>27.5</u>	<u>30</u>	<u>32.5</u>	<u>35</u>	<u>37.5</u>	<u>40</u>	<u>42.5</u>	<u>45</u>	<u>47.5</u>
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

77.5										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
60										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
57.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
55										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
52.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
50										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
47.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
42.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
40										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
37.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
35										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
32.5										
	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
30										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
27.5										
	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
25										
	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
22.5										
	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
20										
	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01
17.5										
	0.04 *	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01
15										
	0.05 *	0.04 *	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01
12.5										
	0.05 *	0.04 *	0.04 *	0.03	0.03	0.03	0.02	0.02	0.01	0.01
10										
	0.05 *	0.05 *	0.04 *	0.04	0.03	0.03	0.02	0.02	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

7.5										
	0.06 *	0.05 *	0.05 *	0.04	0.03	0.03	0.02	0.02	0.01	0.01
5										
	0.07 *	0.06 *	0.05 *	0.04 *	0.04	0.03	0.02	0.02	0.01	0.01
2.5										
	0.08 *	0.07 *	0.06 *	0.05 *	0.04	0.03	0.02	0.02	0.02	0.01
0										
	0.08 *	0.07 *	0.06 *	0.05 *	0.04	0.03	0.02	0.02	0.02	0.01
-2.5										
	0.08 *	0.07 *	0.06 *	0.05 *	0.04	0.03	0.02	0.02	0.02	0.01
-5										
	0.08 *	0.07 *	0.06 *	0.05 *	0.04	0.03 *	0.02	0.02	0.02	0.01
-7.5										
	0.08 *	0.07 *	0.06 *	0.04 *	0.04 *	0.03 *	0.03 *	0.02	0.02	0.01
-10										
	0.07 *	0.06 *	0.05 *	0.04 *	0.04	0.03 *	0.03 *	0.02	0.02	0.01
-12.5										
	0.07 *	0.06 *	0.05 *	0.04	0.03	0.03 *	0.02	0.02	0.02	0.01
-15										
	0.07 *	0.06 *	0.04 *	0.03	0.03	0.03	0.02	0.02	0.01	0.01
-17.5										
	0.07 *	0.05 *	0.04 *	0.03	0.03	0.03	0.02	0.02	0.01	0.01
-20										
	0.07 *	0.05 *	0.04	0.03	0.03	0.03	0.02	0.02	0.01	0.01
-22.5										
	0.06 *	0.05 *	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01
-25										
	0.05 *	0.04 *	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01
-27.5										
	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01
-30										
	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01
-32.5										
	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
-35										
	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01
-37.5										
	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
-40										
	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-42.5										
	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-45										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-47.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-50										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-52.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-55										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-57.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-60										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-62.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-65	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-70	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-72.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.87	1.64	1.39	1.18	1.05	0.93	0.78	0.64	0.56	0.49

Vert. Angles	Horizontal Angles									
<u>50</u>	<u>52.5</u>	<u>55</u>	<u>57.5</u>	<u>60</u>	<u>62.5</u>	<u>65</u>	<u>67.5</u>	<u>70</u>	<u>72.5</u>	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
15	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
10	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
7.5	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
5	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
2.5	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-2.5	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-5	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-7.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-10	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-12.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-15	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-17.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-20	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-22.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-25	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-27.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-30	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-32.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-37.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-42.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-47.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-50	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-52.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.41	0.34	0.29	0.25	0.21	0.17	0.14	0.12	0.09	0.07

Vert. Angles	Horizontal Angles							
	<u>75</u>	<u>77.5</u>	<u>80</u>	<u>82.5</u>	<u>85</u>	<u>87.5</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.47
30	0.00	0.00	0.00	0.00	0.00	0.00	0.54
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.63
25	0.00	0.00	0.00	0.00	0.00	0.00	0.73
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.83
20	0.00	0.00	0.00	0.00	0.00	0.00	0.93
17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.03
15	0.00	0.00	0.00	0.00	0.00	0.00	1.13
12.5	0.00	0.00	0.00	0.00	0.00	0.00	1.24
10	0.00	0.00	0.00	0.00	0.00	0.00	1.35
7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.46
5	0.00	0.00	0.00	0.00	0.00	0.00	1.57
2.5	0.00	0.00	0.00	0.00	0.00	0.00	1.68
0	0.00	0.00	0.00	0.00	0.00	0.00	1.73
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	1.72
-5	0.00	0.00	0.00	0.00	0.00	0.00	1.71
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.70
-10	0.00	0.00	0.00	0.00	0.00	0.00	1.66
-12.5	0.00	0.00	0.00	0.00	0.00	0.00	1.58
-15	0.00	0.00	0.00	0.00	0.00	0.00	1.51
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.44
-20	0.00	0.00	0.00	0.00	0.00	0.00	1.33
-22.5	0.00	0.00	0.00	0.00	0.00	0.00	1.19
-25	0.00	0.00	0.00	0.00	0.00	0.00	1.05
-27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.90
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.80
-32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.72
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.65

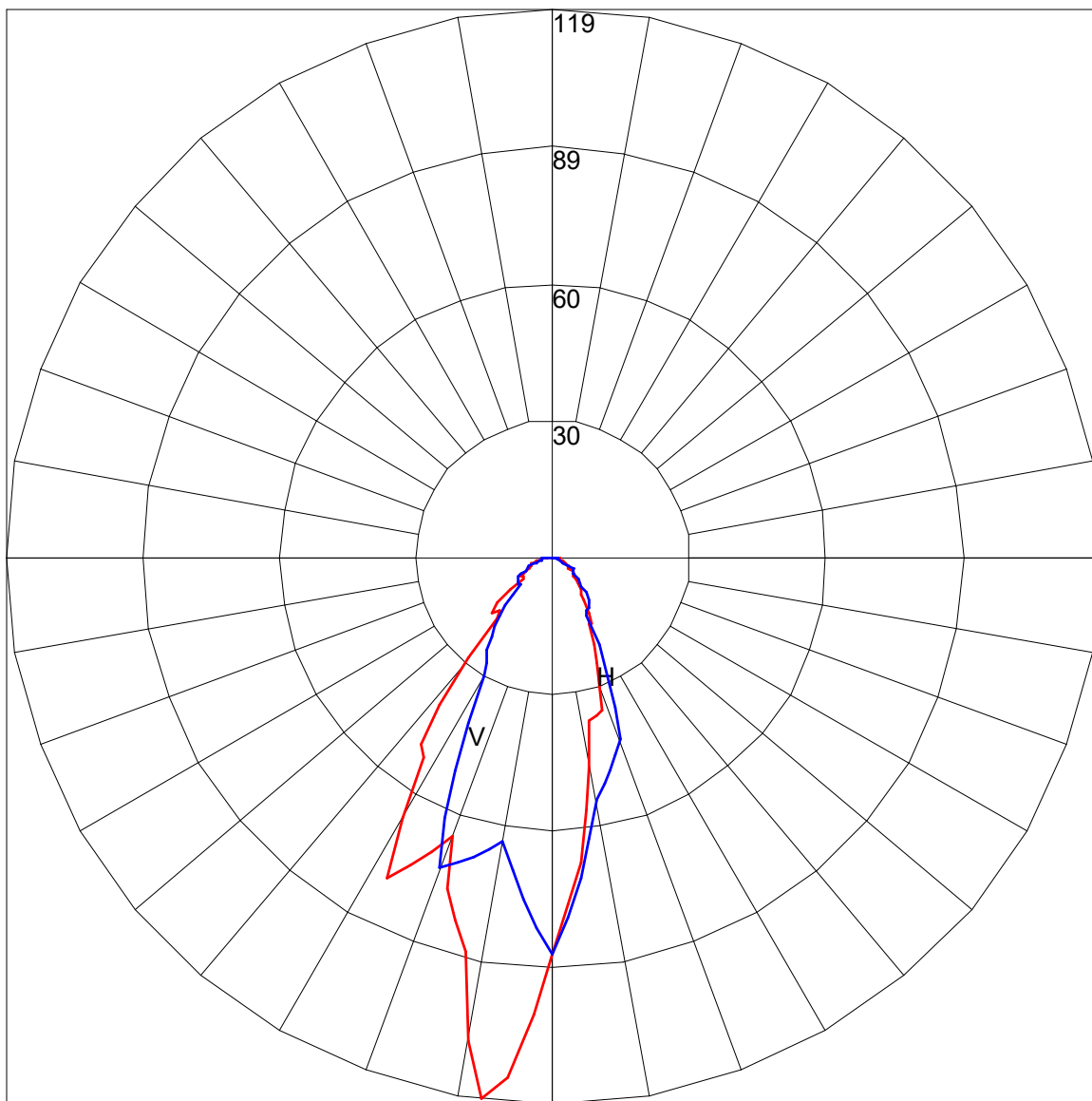
IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.57
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.51
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.46
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.42
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.37
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.34
-52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.31
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.28
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.26
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.23
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.21
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.19
-67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.16
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.14
-72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.13
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.11
-77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.09
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.06
-82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.05	0.04	0.02	0.01	0.01	0.00	41.51

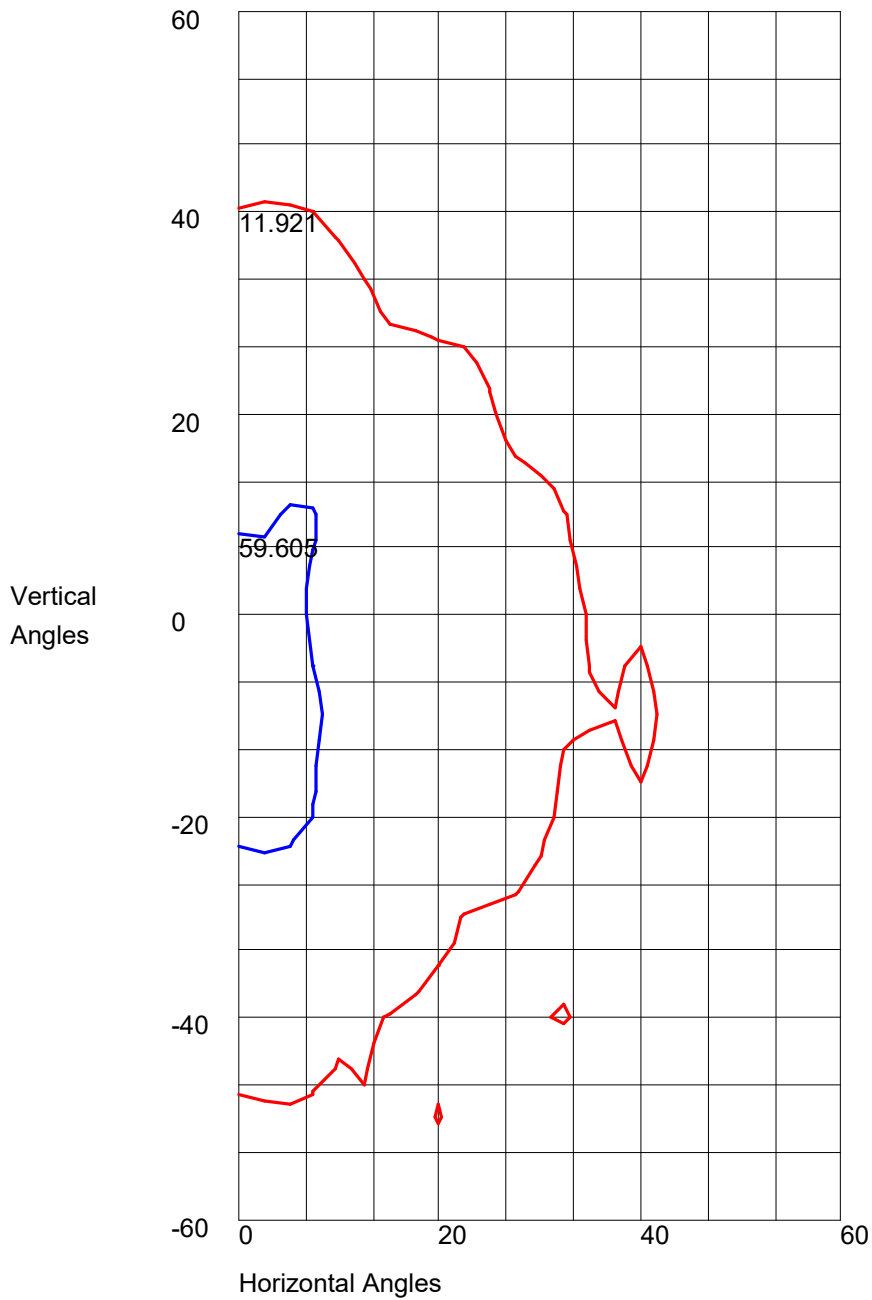
IES FLOOD REPORT
PHOTOMETRIC FILENAME : RRL_SINGLE_LAMP.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 119.21 Located At Horizontal Angle = -7.5, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 119.21 Located At Horizontal Angle = -7.5, Vertical Angle = 0
50% Maximum Candela = 59.605
10% Maximum Candela = 11.921