



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 30138

[TESTLAB] LIGHTING SCIENCES, INC.

[TESTDATE] 2/11/2012

[ISSUEDATE] 6/17/2020

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PORL_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	2 H x 2 V
Maximum Candela	3057.24
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	13.3
Vertical Beam Angle (50%)	13.3
Horizontal Field Angle (10%)	27.2
Vertical Field Angle (10%)	27.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	94
Beam Efficiency	N.A.
Field Lumens	181
Field Efficiency	N.A.
Spill Lumens	69
Luminaire Lumens	250
Total Efficiency	N.A.
Total Luminaire Watts	3.6
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.01	90	.01
87.5	.04	87.5	.04
85	.14	85	.14
82.5	.32	82.5	.32
80	.64	80	.64
77.5	1.03	77.5	1.03
75	1.46	75	1.46
72.5	2	72.5	2
70	2.64	70	2.64
67.5	3.21	67.5	3.21
65	3.77	65	3.77
62.5	4.25	62.5	4.25
60	4.59	60	4.59
57.5	4.93	57.5	4.93
55	5.3	55	5.3
52.5	5.55	52.5	5.55
50	5.96	50	5.96
47.5	6.32	47.5	6.32
45	6.72	45	6.72
42.5	7.17	42.5	7.17
40	7.71	40	7.71
37.5	8.52	37.5	8.52
35	9.48	35	9.48
32.5	10.99	32.5	10.99
30	13.36	30	13.36
27.5	17.49	27.5	17.49
25	25.32	25	25.32
22.5	40.77	22.5	40.77
20	68.35	20	68.35
17.5	119.75	17.5	119.75
15	209.83	15	209.83
12.5	381.93	12.5	381.93
10	706.19	10	706.19
7.5	1277.73	7.5	1277.73
5	2037.53	5	2037.53
2.5	2727.09	2.5	2727.09
0	3057.24	0	3057.24
-2.5	2727.09	-2.5	2727.09
-5	2037.53	-5	2037.53
-7.5	1277.73	-7.5	1277.73
-10	706.19	-10	706.19
-12.5	381.93	-12.5	381.93
-15	209.83	-15	209.83
-17.5	119.75	-17.5	119.75
-20	68.35	-20	68.35
-22.5	40.77	-22.5	40.77
-25	25.32	-25	25.32
-27.5	17.49	-27.5	17.49
-30	13.36	-30	13.36
-32.5	10.99	-32.5	10.99
-35	9.48	-35	9.48
-37.5	8.52	-37.5	8.52
-40	7.71	-40	7.71
-42.5	7.17	-42.5	7.17

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AXIAL CANDELA - (Cont.)

DEG.	HOR.	DEG.	VERT.
-45	6.72	-45	6.72
-47.5	6.32	-47.5	6.32
-50	5.96	-50	5.96
-52.5	5.55	-52.5	5.55
-55	5.3	-55	5.3
-57.5	4.93	-57.5	4.93
-60	4.59	-60	4.59
-62.5	4.25	-62.5	4.25
-65	3.77	-65	3.77
-67.5	3.21	-67.5	3.21
-70	2.64	-70	2.64
-72.5	2	-72.5	2
-75	1.46	-75	1.46
-77.5	1.03	-77.5	1.03
-80	.64	-80	.64
-82.5	.32	-82.5	.32
-85	.14	-85	.14
-87.5	.04	-87.5	.04
-90	.01	-90	.01

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CANDELA TABULATION

Maximum Candela = 3057.24

Beam Edge = 1528.62 Cd (50% of Max.)

Field Edge = 305.724 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04
82.5	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.04
80.0	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.06	0.08
77.5	0.01	0.01	0.01	0.03	0.04	0.04	0.05	0.08	0.10	0.13
75.0	0.01	0.01	0.02	0.04	0.04	0.05	0.08	0.11	0.14	0.17
72.5	0.01	0.01	0.03	0.04	0.04	0.08	0.11	0.15	0.18	0.25
70.0	0.01	0.01	0.03	0.04	0.06	0.10	0.14	0.18	0.26	0.32
67.5	0.01	0.01	0.04	0.04	0.08	0.13	0.17	0.25	0.32	0.41
65.0	0.01	0.01	0.04	0.05	0.10	0.15	0.21	0.31	0.40	0.54
62.5	0.01	0.01	0.04	0.06	0.12	0.17	0.28	0.35	0.51	0.66
60.0	0.01	0.02	0.04	0.08	0.14	0.20	0.32	0.45	0.62	0.77
57.5	0.01	0.02	0.04	0.09	0.15	0.25	0.35	0.54	0.71	0.92
55.0	0.01	0.02	0.04	0.10	0.17	0.30	0.43	0.64	0.82	1.06
52.5	0.01	0.03	0.04	0.12	0.19	0.32	0.51	0.71	0.94	1.19
50.0	0.01	0.03	0.05	0.13	0.22	0.35	0.58	0.79	1.07	1.31
47.5	0.01	0.03	0.06	0.14	0.26	0.41	0.65	0.89	1.17	1.46
45.0	0.01	0.03	0.07	0.15	0.29	0.47	0.71	0.99	1.26	1.63
42.5	0.01	0.04	0.07	0.16	0.31	0.53	0.76	1.09	1.38	1.76
40.0	0.01	0.04	0.08	0.17	0.33	0.58	0.84	1.16	1.51	1.86
37.5	0.01	0.04	0.09	0.18	0.35	0.62	0.91	1.23	1.64	2.05
35.0	0.01	0.04	0.09	0.20	0.38	0.67	0.98	1.31	1.74	2.19
32.5	0.01	0.04	0.10	0.22	0.41	0.70	1.05	1.40	1.81	2.31
30.0	0.01	0.04	0.11	0.23	0.45	0.74	1.12	1.48	1.92	2.45
27.5	0.01	0.04	0.11	0.25	0.48	0.77	1.16	1.57	2.04	2.59
25.0	0.01	0.04	0.12	0.27	0.51	0.82	1.20	1.66	2.15	2.70
22.5	0.01	0.04	0.12	0.29	0.53	0.86	1.24	1.72	2.22	2.78
20.0	0.01	0.04	0.12	0.29	0.55	0.89	1.28	1.76	2.29	2.86
17.5	0.01	0.04	0.13	0.30	0.57	0.94	1.32	1.80	2.35	2.94
15.0	0.01	0.04	0.13	0.30	0.59	0.95	1.36	1.83	2.43	3.01
12.5	0.01	0.04	0.13	0.31	0.61	0.98	1.39	1.87	2.49	3.08
10.0	0.01	0.04	0.14	0.31	0.62	1.00	1.41	1.92	2.55	3.11
7.5	0.01	0.04	0.14	0.32	0.64	1.01	1.43	1.95	2.59	3.15
5.0	0.01	0.04	0.14	0.32	0.64	1.02	1.46	1.98	2.64	3.18
2.5	0.01	0.04	0.14	0.32	0.64	1.03	1.46	1.99	2.64	3.20
0.0	0.01	0.04	0.14	0.32	0.64	1.03	1.46	2.00	2.64	3.21
-2.5	0.01	0.04	0.14	0.32	0.64	1.03	1.46	1.99	2.64	3.20
-5.0	0.01	0.04	0.14	0.32	0.64	1.02	1.46	1.98	2.64	3.18
-7.5	0.01	0.04	0.14	0.32	0.64	1.01	1.43	1.95	2.59	3.15
-10.0	0.01	0.04	0.14	0.31	0.62	1.00	1.41	1.92	2.55	3.11
-12.5	0.01	0.04	0.13	0.31	0.61	0.98	1.39	1.87	2.49	3.08
-15.0	0.01	0.04	0.13	0.30	0.59	0.95	1.36	1.83	2.43	3.01
-17.5	0.01	0.04	0.13	0.30	0.57	0.94	1.32	1.80	2.35	2.94
-20.0	0.01	0.04	0.12	0.29	0.55	0.89	1.28	1.76	2.29	2.86
-22.5	0.01	0.04	0.12	0.29	0.53	0.86	1.24	1.72	2.22	2.78
-25.0	0.01	0.04	0.12	0.27	0.51	0.82	1.20	1.66	2.15	2.70
-27.5	0.01	0.04	0.11	0.25	0.48	0.77	1.16	1.57	2.04	2.59
-30.0	0.01	0.04	0.11	0.23	0.45	0.74	1.12	1.48	1.92	2.45

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CANDELA TABULATION - (Cont.)

-32.5	0.01	0.04	0.10	0.22	0.41	0.70	1.05	1.40	1.81	2.31
-35.0	0.01	0.04	0.09	0.20	0.38	0.67	0.98	1.31	1.74	2.19
-37.5	0.01	0.04	0.09	0.18	0.35	0.62	0.91	1.23	1.64	2.05
-40.0	0.01	0.04	0.08	0.17	0.33	0.58	0.84	1.16	1.51	1.86
-42.5	0.01	0.04	0.07	0.16	0.31	0.53	0.76	1.09	1.38	1.76
-45.0	0.01	0.03	0.07	0.15	0.29	0.47	0.71	0.99	1.26	1.63
-47.5	0.01	0.03	0.06	0.14	0.26	0.41	0.65	0.89	1.17	1.46
-50.0	0.01	0.03	0.05	0.13	0.22	0.35	0.58	0.79	1.07	1.31
-52.5	0.01	0.03	0.04	0.12	0.19	0.32	0.51	0.71	0.94	1.19
-55.0	0.01	0.02	0.04	0.10	0.17	0.30	0.43	0.64	0.82	1.06
-57.5	0.01	0.02	0.04	0.09	0.15	0.25	0.35	0.54	0.71	0.92
-60.0	0.01	0.02	0.04	0.08	0.14	0.20	0.32	0.45	0.62	0.77
-62.5	0.01	0.01	0.04	0.06	0.12	0.17	0.28	0.35	0.51	0.66
-65.0	0.01	0.01	0.04	0.05	0.10	0.15	0.21	0.31	0.40	0.54
-67.5	0.01	0.01	0.04	0.04	0.08	0.13	0.17	0.25	0.32	0.41
-70.0	0.01	0.01	0.03	0.04	0.06	0.10	0.14	0.18	0.26	0.32
-72.5	0.01	0.01	0.03	0.04	0.04	0.08	0.11	0.15	0.18	0.25
-75.0	0.01	0.01	0.02	0.04	0.04	0.05	0.08	0.11	0.14	0.17
-77.5	0.01	0.01	0.01	0.03	0.04	0.04	0.05	0.08	0.10	0.13
-80.0	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.06	0.08
-82.5	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.04
-85.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04
-87.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Vert. Horizontal Angles
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04
85.0	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.07
82.5	0.05	0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.16
80.0	0.10	0.12	0.14	0.15	0.17	0.19	0.22	0.26	0.29	0.31
77.5	0.15	0.17	0.20	0.25	0.30	0.32	0.35	0.41	0.47	0.53
75.0	0.21	0.28	0.32	0.35	0.43	0.51	0.58	0.65	0.71	0.76
72.5	0.31	0.35	0.45	0.54	0.64	0.71	0.79	0.89	0.99	1.09
70.0	0.40	0.51	0.62	0.71	0.82	0.94	1.07	1.17	1.26	1.38
67.5	0.54	0.66	0.77	0.92	1.06	1.19	1.31	1.46	1.63	1.76
65.0	0.67	0.81	0.98	1.14	1.27	1.46	1.64	1.79	1.96	2.17
62.5	0.81	1.00	1.17	1.33	1.55	1.75	1.93	2.18	2.36	2.64
60.0	0.98	1.17	1.36	1.60	1.80	2.06	2.29	2.56	2.78	2.99
57.5	1.14	1.33	1.60	1.82	2.14	2.37	2.68	2.91	3.16	3.41
55.0	1.27	1.55	1.80	2.14	2.40	2.73	2.99	3.28	3.56	3.77
52.5	1.46	1.75	2.06	2.37	2.73	3.02	3.34	3.62	3.89	4.12
50.0	1.64	1.93	2.29	2.68	2.99	3.34	3.64	3.95	4.18	4.37
47.5	1.79	2.18	2.56	2.91	3.28	3.62	3.95	4.19	4.41	4.58
45.0	1.96	2.36	2.78	3.16	3.56	3.89	4.18	4.41	4.59	4.82
42.5	2.17	2.64	2.99	3.41	3.77	4.12	4.37	4.58	4.82	5.02
40.0	2.32	2.78	3.21	3.62	4.02	4.29	4.54	4.81	4.98	5.18
37.5	2.52	2.96	3.42	3.83	4.18	4.47	4.73	4.91	5.13	5.36
35.0	2.69	3.14	3.60	4.03	4.32	4.59	4.83	5.07	5.33	5.50
32.5	2.82	3.33	3.77	4.17	4.49	4.78	4.99	5.25	5.44	5.69
30.0	2.95	3.46	3.93	4.28	4.57	4.83	5.09	5.36	5.59	5.90
27.5	3.08	3.60	4.06	4.40	4.71	4.96	5.25	5.46	5.76	6.07
25.0	3.21	3.72	4.17	4.50	4.81	5.06	5.34	5.59	5.93	6.23
22.5	3.33	3.83	4.25	4.57	4.84	5.15	5.42	5.72	6.06	6.41

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CANDELA TABULATION - (Cont.)

20.0	3.42	3.94	4.32	4.66	4.95	5.28	5.50	5.85	6.18	6.56
17.5	3.51	4.03	4.40	4.76	5.03	5.33	5.59	5.97	6.30	6.68
15.0	3.58	4.09	4.47	4.81	5.08	5.37	5.68	6.06	6.42	6.79
12.5	3.64	4.14	4.51	4.83	5.12	5.42	5.76	6.13	6.53	6.90
10.0	3.68	4.18	4.54	4.84	5.18	5.46	5.83	6.19	6.61	6.99
7.5	3.72	4.21	4.56	4.87	5.23	5.50	5.89	6.24	6.66	7.07
5.0	3.75	4.23	4.58	4.91	5.27	5.53	5.93	6.28	6.69	7.12
2.5	3.77	4.24	4.59	4.92	5.30	5.54	5.96	6.31	6.72	7.15
0.0	3.77	4.25	4.59	4.93	5.30	5.55	5.96	6.32	6.72	7.17
-2.5	3.77	4.24	4.59	4.92	5.30	5.54	5.96	6.31	6.72	7.15
-5.0	3.75	4.23	4.58	4.91	5.27	5.53	5.93	6.28	6.69	7.12
-7.5	3.72	4.21	4.56	4.87	5.23	5.50	5.89	6.24	6.66	7.07
-10.0	3.68	4.18	4.54	4.84	5.18	5.46	5.83	6.19	6.61	6.99
-12.5	3.64	4.14	4.51	4.83	5.12	5.42	5.76	6.13	6.53	6.90
-15.0	3.58	4.09	4.47	4.81	5.08	5.37	5.68	6.06	6.42	6.79
-17.5	3.51	4.03	4.40	4.76	5.03	5.33	5.59	5.97	6.30	6.68
-20.0	3.42	3.94	4.32	4.66	4.95	5.28	5.50	5.85	6.18	6.56
-22.5	3.33	3.83	4.25	4.57	4.84	5.15	5.42	5.72	6.06	6.41
-25.0	3.21	3.72	4.17	4.50	4.81	5.06	5.34	5.59	5.93	6.23
-27.5	3.08	3.60	4.06	4.40	4.71	4.96	5.25	5.46	5.76	6.07
-30.0	2.95	3.46	3.93	4.28	4.57	4.83	5.09	5.36	5.59	5.90
-32.5	2.82	3.33	3.77	4.17	4.49	4.78	4.99	5.25	5.44	5.69
-35.0	2.69	3.14	3.60	4.03	4.32	4.59	4.83	5.07	5.33	5.50
-37.5	2.52	2.96	3.42	3.83	4.18	4.47	4.73	4.91	5.13	5.36
-40.0	2.32	2.78	3.21	3.62	4.02	4.29	4.54	4.81	4.98	5.18
-42.5	2.17	2.64	2.99	3.41	3.77	4.12	4.37	4.58	4.82	5.02
-45.0	1.96	2.36	2.78	3.16	3.56	3.89	4.18	4.41	4.59	4.82
-47.5	1.79	2.18	2.56	2.91	3.28	3.62	3.95	4.19	4.41	4.58
-50.0	1.64	1.93	2.29	2.68	2.99	3.34	3.64	3.95	4.18	4.37
-52.5	1.46	1.75	2.06	2.37	2.73	3.02	3.34	3.62	3.89	4.12
-55.0	1.27	1.55	1.80	2.14	2.40	2.73	2.99	3.28	3.56	3.77
-57.5	1.14	1.33	1.60	1.82	2.14	2.37	2.68	2.91	3.16	3.41
-60.0	0.98	1.17	1.36	1.60	1.80	2.06	2.29	2.56	2.78	2.99
-62.5	0.81	1.00	1.17	1.33	1.55	1.75	1.93	2.18	2.36	2.64
-65.0	0.67	0.81	0.98	1.14	1.27	1.46	1.64	1.79	1.96	2.17
-67.5	0.54	0.66	0.77	0.92	1.06	1.19	1.31	1.46	1.63	1.76
-70.0	0.40	0.51	0.62	0.71	0.82	0.94	1.07	1.17	1.26	1.38
-72.5	0.31	0.35	0.45	0.54	0.64	0.71	0.79	0.89	0.99	1.09
-75.0	0.21	0.28	0.32	0.35	0.43	0.51	0.58	0.65	0.71	0.76
-77.5	0.15	0.17	0.20	0.25	0.30	0.32	0.35	0.41	0.47	0.53
-80.0	0.10	0.12	0.14	0.15	0.17	0.19	0.22	0.26	0.29	0.31
-82.5	0.05	0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.16
-85.0	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.07
-87.5	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
85.0	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.13
82.5	0.17	0.18	0.20	0.22	0.23	0.25	0.27	0.29	0.29	0.30
80.0	0.33	0.35	0.38	0.41	0.45	0.48	0.51	0.53	0.55	0.57
77.5	0.58	0.62	0.67	0.70	0.74	0.77	0.82	0.86	0.89	0.94
75.0	0.84	0.91	0.98	1.05	1.12	1.16	1.20	1.24	1.28	1.32

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

72.5	1.16	1.23	1.31	1.40	1.48	1.57	1.66	1.72	1.76	1.80
70.0	1.51	1.64	1.74	1.81	1.92	2.04	2.15	2.22	2.29	2.35
67.5	1.86	2.05	2.19	2.31	2.45	2.59	2.70	2.78	2.86	2.94
65.0	2.32	2.52	2.69	2.82	2.95	3.08	3.21	3.33	3.42	3.51
62.5	2.78	2.96	3.14	3.33	3.46	3.60	3.72	3.83	3.94	4.03
60.0	3.21	3.42	3.60	3.77	3.93	4.06	4.17	4.25	4.32	4.40
57.5	3.62	3.83	4.03	4.17	4.28	4.40	4.50	4.57	4.66	4.76
55.0	4.02	4.18	4.32	4.49	4.57	4.71	4.81	4.84	4.95	5.03
52.5	4.29	4.47	4.59	4.78	4.83	4.96	5.06	5.15	5.28	5.33
50.0	4.54	4.73	4.83	4.99	5.09	5.25	5.34	5.42	5.50	5.59
47.5	4.81	4.91	5.07	5.25	5.36	5.46	5.59	5.72	5.85	5.97
45.0	4.98	5.13	5.33	5.44	5.59	5.76	5.93	6.06	6.18	6.30
42.5	5.18	5.36	5.50	5.69	5.90	6.07	6.23	6.41	6.56	6.68
40.0	5.37	5.54	5.76	5.99	6.17	6.37	6.59	6.73	6.90	7.07
37.5	5.54	5.78	6.03	6.23	6.48	6.68	6.89	7.10	7.31	7.54
35.0	5.76	6.03	6.26	6.54	6.75	7.00	7.26	7.55	7.79	8.12
32.5	5.99	6.23	6.54	6.78	7.07	7.37	7.68	8.04	8.50	8.84
30.0	6.17	6.48	6.75	7.07	7.41	7.76	8.27	8.70	9.22	9.82
27.5	6.37	6.68	7.00	7.37	7.76	8.34	8.82	9.50	10.31	11.15
25.0	6.59	6.89	7.26	7.68	8.27	8.82	9.59	10.59	11.64	13.14
22.5	6.73	7.10	7.55	8.04	8.70	9.50	10.59	11.83	13.69	16.01
20.0	6.90	7.31	7.79	8.50	9.22	10.31	11.64	13.69	16.41	20.52
17.5	7.07	7.54	8.12	8.84	9.82	11.15	13.14	16.01	20.52	27.56
15.0	7.21	7.72	8.47	9.26	10.53	12.19	14.85	19.10	26.25	37.54
12.5	7.36	7.90	8.69	9.69	11.13	13.36	16.90	23.10	33.84	51.12
10.0	7.51	8.12	8.91	10.09	11.76	14.52	19.15	27.75	42.66	68.35
7.5	7.59	8.33	9.14	10.50	12.38	15.66	21.50	32.53	51.99	85.22
5.0	7.66	8.45	9.33	10.79	12.92	16.57	23.55	36.68	60.55	102.50
2.5	7.71	8.50	9.48	10.94	13.36	17.26	24.87	39.70	66.38	115.12
0.0	7.71	8.52	9.48	10.99	13.36	17.49	25.32	40.77	68.35	119.75
-2.5	7.71	8.50	9.48	10.94	13.36	17.26	24.87	39.70	66.38	115.12
-5.0	7.66	8.45	9.33	10.79	12.92	16.57	23.55	36.68	60.55	102.50
-7.5	7.59	8.33	9.14	10.50	12.38	15.66	21.50	32.53	51.99	85.22
-10.0	7.51	8.12	8.91	10.09	11.76	14.52	19.15	27.75	42.66	68.35
-12.5	7.36	7.90	8.69	9.69	11.13	13.36	16.90	23.10	33.84	51.12
-15.0	7.21	7.72	8.47	9.26	10.53	12.19	14.85	19.10	26.25	37.54
-17.5	7.07	7.54	8.12	8.84	9.82	11.15	13.14	16.01	20.52	27.56
-20.0	6.90	7.31	7.79	8.50	9.22	10.31	11.64	13.69	16.41	20.52
-22.5	6.73	7.10	7.55	8.04	8.70	9.50	10.59	11.83	13.69	16.01
-25.0	6.59	6.89	7.26	7.68	8.27	8.82	9.59	10.59	11.64	13.14
-27.5	6.37	6.68	7.00	7.37	7.76	8.34	8.82	9.50	10.31	11.15
-30.0	6.17	6.48	6.75	7.07	7.41	7.76	8.27	8.70	9.22	9.82
-32.5	5.99	6.23	6.54	6.78	7.07	7.37	7.68	8.04	8.50	8.84
-35.0	5.76	6.03	6.26	6.54	6.75	7.00	7.26	7.55	7.79	8.12
-37.5	5.54	5.78	6.03	6.23	6.48	6.68	6.89	7.10	7.31	7.54
-40.0	5.37	5.54	5.76	5.99	6.17	6.37	6.59	6.73	6.90	7.07
-42.5	5.18	5.36	5.50	5.69	5.90	6.07	6.23	6.41	6.56	6.68
-45.0	4.98	5.13	5.33	5.44	5.59	5.76	5.93	6.06	6.18	6.30
-47.5	4.81	4.91	5.07	5.25	5.36	5.46	5.59	5.72	5.85	5.97
-50.0	4.54	4.73	4.83	4.99	5.09	5.25	5.34	5.42	5.50	5.59
-52.5	4.29	4.47	4.59	4.78	4.83	4.96	5.06	5.15	5.28	5.33
-55.0	4.02	4.18	4.32	4.49	4.57	4.71	4.81	4.84	4.95	5.03
-57.5	3.62	3.83	4.03	4.17	4.28	4.40	4.50	4.57	4.66	4.76
-60.0	3.21	3.42	3.60	3.77	3.93	4.06	4.17	4.25	4.32	4.40
-62.5	2.78	2.96	3.14	3.33	3.46	3.60	3.72	3.83	3.94	4.03
-65.0	2.32	2.52	2.69	2.82	2.95	3.08	3.21	3.33	3.42	3.51

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-67.5	1.86	2.05	2.19	2.31	2.45	2.59	2.70	2.78	2.86	2.94
-70.0	1.51	1.64	1.74	1.81	1.92	2.04	2.15	2.22	2.29	2.35
-72.5	1.16	1.23	1.31	1.40	1.48	1.57	1.66	1.72	1.76	1.80
-75.0	0.84	0.91	0.98	1.05	1.12	1.16	1.20	1.24	1.28	1.32
-77.5	0.58	0.62	0.67	0.70	0.74	0.77	0.82	0.86	0.89	0.94
-80.0	0.33	0.35	0.38	0.41	0.45	0.48	0.51	0.53	0.55	0.57
-82.5	0.17	0.18	0.20	0.22	0.23	0.25	0.27	0.29	0.29	0.30
-85.0	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.13
-87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

**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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
85.0	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
82.5	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32
80.0	0.59	0.61	0.62	0.64	0.64	0.64	0.64	0.64	0.64	0.64
77.5	0.95	0.98	1.00	1.01	1.02	1.03	1.03	1.03	1.02	1.01
75.0	1.36	1.39	1.41	1.43	1.46	1.46	1.46	1.46	1.46	1.43
72.5	1.83	1.87	1.92	1.95	1.98	1.99	2.00	1.99	1.98	1.95
70.0	2.43	2.49	2.55	2.59	2.64	2.64	2.64	2.64	2.64	2.59
67.5	3.01	3.08	3.11	3.15	3.18	3.20	3.21	3.20	3.18	3.15
65.0	3.58	3.64	3.68	3.72	3.75	3.77	3.77	3.77	3.75	3.72
62.5	4.09	4.14	4.18	4.21	4.23	4.24	4.25	4.24	4.23	4.21
60.0	4.47	4.51	4.54	4.56	4.58	4.59	4.59	4.59	4.58	4.56
57.5	4.81	4.83	4.84	4.87	4.91	4.92	4.93	4.92	4.91	4.87
55.0	5.08	5.12	5.18	5.23	5.27	5.30	5.30	5.30	5.27	5.23
52.5	5.37	5.42	5.46	5.50	5.53	5.54	5.55	5.54	5.53	5.50
50.0	5.68	5.76	5.83	5.89	5.93	5.96	5.96	5.96	5.93	5.89
47.5	6.06	6.13	6.19	6.24	6.28	6.31	6.32	6.31	6.28	6.24
45.0	6.42	6.53	6.61	6.66	6.69	6.72	6.72	6.72	6.69	6.66
42.5	6.79	6.90	6.99	7.07	7.12	7.15	7.17	7.15	7.12	7.07
40.0	7.21	7.36	7.51	7.59	7.66	7.71	7.71	7.71	7.66	7.59
37.5	7.72	7.90	8.12	8.33	8.45	8.50	8.52	8.50	8.45	8.33
35.0	8.47	8.69	8.91	9.14	9.33	9.48	9.48	9.48	9.33	9.14
32.5	9.26	9.69	10.09	10.50	10.79	10.94	10.99	10.94	10.79	10.50
30.0	10.53	11.13	11.76	12.38	12.92	13.36	13.36	13.36	12.92	12.38
27.5	12.19	13.36	14.52	15.66	16.57	17.26	17.49	17.26	16.57	15.66
25.0	14.85	16.90	19.15	21.50	23.55	24.87	25.32	24.87	23.55	21.50
22.5	19.10	23.10	27.75	32.53	36.68	39.70	40.77	39.70	36.68	32.53
20.0	26.25	33.84	42.66	51.99	60.55	66.38	68.35	66.38	60.55	51.99
17.5	37.54	51.12	68.35	85.22	102.50	115.12	119.75	115.12	102.50	85.22
15.0	55.14	77.83	107.27	142.28	175.93	201.19	209.83	201.19	175.93	142.28
12.5	77.83	116.87	168.89	234.53	303.50	359.21 *	381.93 *	359.21 *	303.50	234.53
10.0	107.27	168.89	258.53	384.06 *	529.54 *	658.63 *	706.19 *	658.63 *	529.54 *	384.06 *
7.5	142.28	234.53	384.06 *	613.86 *	901.93 *	1166.24 *	1277.73 *	1166.24 *	901.93 *	613.86 *
5.0	175.93	303.50	529.54 *	901.93 *	1415.91 *	1851.17 *	2037.53 *	1851.17 *	1415.91 *	901.93 *
2.5	201.19	359.21 *	658.63 *	1166.24 *	1851.17 *	2472.06 *	2727.09 *	2472.06 *	1851.17 *	1166.24 *
0.0	209.83	381.93 *	706.19 *	1277.73 *	2037.53 *	2727.09 *	3057.24 *	2727.09 *	2037.53 *	1277.73 *
-2.5	201.19	359.21 *	658.63 *	1166.24 *	1851.17 *	2472.06 *	2727.09 *	2472.06 *	1851.17 *	1166.24 *
-5.0	175.93	303.50	529.54 *	901.93 *	1415.91 *	1851.17 *	2037.53 *	1851.17 *	1415.91 *	901.93 *
-7.5	142.28	234.53	384.06 *	613.86 *	901.93 *	1166.24 *	1277.73 *	1166.24 *	901.93 *	613.86 *
-10.0	107.27	168.89	258.53	384.06 *	529.54 *	658.63 *	706.19 *	658.63 *	529.54 *	384.06 *
-12.5	77.83	116.87	168.89	234.53	303.50	359.21 *	381.93 *	359.21 *	303.50	234.53

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-15.0	55.14	77.83	107.27	142.28	175.93	201.19	209.83	201.19	175.93	142.28
-17.5	37.54	51.12	68.35	85.22	102.50	115.12	119.75	115.12	102.50	85.22
-20.0	26.25	33.84	42.66	51.99	60.55	66.38	68.35	66.38	60.55	51.99
-22.5	19.10	23.10	27.75	32.53	36.68	39.70	40.77	39.70	36.68	32.53
-25.0	14.85	16.90	19.15	21.50	23.55	24.87	25.32	24.87	23.55	21.50
-27.5	12.19	13.36	14.52	15.66	16.57	17.26	17.49	17.26	16.57	15.66
-30.0	10.53	11.13	11.76	12.38	12.92	13.36	13.36	13.36	12.92	12.38
-32.5	9.26	9.69	10.09	10.50	10.79	10.94	10.99	10.94	10.79	10.50
-35.0	8.47	8.69	8.91	9.14	9.33	9.48	9.48	9.48	9.33	9.14
-37.5	7.72	7.90	8.12	8.33	8.45	8.50	8.52	8.50	8.45	8.33
-40.0	7.21	7.36	7.51	7.59	7.66	7.71	7.71	7.71	7.66	7.59
-42.5	6.79	6.90	6.99	7.07	7.12	7.15	7.17	7.15	7.12	7.07
-45.0	6.42	6.53	6.61	6.66	6.69	6.72	6.72	6.72	6.69	6.66
-47.5	6.06	6.13	6.19	6.24	6.28	6.31	6.32	6.31	6.28	6.24
-50.0	5.68	5.76	5.83	5.89	5.93	5.96	5.96	5.96	5.93	5.89
-52.5	5.37	5.42	5.46	5.50	5.53	5.54	5.55	5.54	5.53	5.50
-55.0	5.08	5.12	5.18	5.23	5.27	5.30	5.30	5.30	5.27	5.23
-57.5	4.81	4.83	4.84	4.87	4.91	4.92	4.93	4.92	4.91	4.87
-60.0	4.47	4.51	4.54	4.56	4.58	4.59	4.59	4.59	4.58	4.56
-62.5	4.09	4.14	4.18	4.21	4.23	4.24	4.25	4.24	4.23	4.21
-65.0	3.58	3.64	3.68	3.72	3.75	3.77	3.77	3.77	3.75	3.72
-67.5	3.01	3.08	3.11	3.15	3.18	3.20	3.21	3.20	3.18	3.15
-70.0	2.43	2.49	2.55	2.59	2.64	2.64	2.64	2.64	2.64	2.59
-72.5	1.83	1.87	1.92	1.95	1.98	1.99	2.00	1.99	1.98	1.95
-75.0	1.36	1.39	1.41	1.43	1.46	1.46	1.46	1.46	1.46	1.43
-77.5	0.95	0.98	1.00	1.01	1.02	1.03	1.03	1.03	1.02	1.01
-80.0	0.59	0.61	0.62	0.64	0.64	0.64	0.64	0.64	0.64	0.64
-82.5	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32
-85.0	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
-87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
85.0	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.10
82.5	0.31	0.31	0.30	0.30	0.29	0.29	0.27	0.25	0.23	0.22
80.0	0.62	0.61	0.59	0.57	0.55	0.53	0.51	0.48	0.45	0.41
77.5	1.00	0.98	0.95	0.94	0.89	0.86	0.82	0.77	0.74	0.70
75.0	1.41	1.39	1.36	1.32	1.28	1.24	1.20	1.16	1.12	1.05
72.5	1.92	1.87	1.83	1.80	1.76	1.72	1.66	1.57	1.48	1.40
70.0	2.55	2.49	2.43	2.35	2.29	2.22	2.15	2.04	1.92	1.81
67.5	3.11	3.08	3.01	2.94	2.86	2.78	2.70	2.59	2.45	2.31
65.0	3.68	3.64	3.58	3.51	3.42	3.33	3.21	3.08	2.95	2.82
62.5	4.18	4.14	4.09	4.03	3.94	3.83	3.72	3.60	3.46	3.33
60.0	4.54	4.51	4.47	4.40	4.32	4.25	4.17	4.06	3.93	3.77
57.5	4.84	4.83	4.81	4.76	4.66	4.57	4.50	4.40	4.28	4.17
55.0	5.18	5.12	5.08	5.03	4.95	4.84	4.81	4.71	4.57	4.49
52.5	5.46	5.42	5.37	5.33	5.28	5.15	5.06	4.96	4.83	4.78
50.0	5.83	5.76	5.68	5.59	5.50	5.42	5.34	5.25	5.09	4.99
47.5	6.19	6.13	6.06	5.97	5.85	5.72	5.59	5.46	5.36	5.25
45.0	6.61	6.53	6.42	6.30	6.18	6.06	5.93	5.76	5.59	5.44
42.5	6.99	6.90	6.79	6.68	6.56	6.41	6.23	6.07	5.90	5.69
40.0	7.51	7.36	7.21	7.07	6.90	6.73	6.59	6.37	6.17	5.99

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

37.5	8.12	7.90	7.72	7.54	7.31	7.10	6.89	6.68	6.48	6.23
35.0	8.91	8.69	8.47	8.12	7.79	7.55	7.26	7.00	6.75	6.54
32.5	10.09	9.69	9.26	8.84	8.50	8.04	7.68	7.37	7.07	6.78
30.0	11.76	11.13	10.53	9.82	9.22	8.70	8.27	7.76	7.41	7.07
27.5	14.52	13.36	12.19	11.15	10.31	9.50	8.82	8.34	7.76	7.37
25.0	19.15	16.90	14.85	13.14	11.64	10.59	9.59	8.82	8.27	7.68
22.5	27.75	23.10	19.10	16.01	13.69	11.83	10.59	9.50	8.70	8.04
20.0	42.66	33.84	26.25	20.52	16.41	13.69	11.64	10.31	9.22	8.50
17.5	68.35	51.12	37.54	27.56	20.52	16.01	13.14	11.15	9.82	8.84
15.0	107.27	77.83	55.14	37.54	26.25	19.10	14.85	12.19	10.53	9.26
12.5	168.89	116.87	77.83	51.12	33.84	23.10	16.90	13.36	11.13	9.69
10.0	258.53	168.89	107.27	68.35	42.66	27.75	19.15	14.52	11.76	10.09
7.5	384.06 *	234.53	142.28	85.22	51.99	32.53	21.50	15.66	12.38	10.50
5.0	529.54 *	303.50	175.93	102.50	60.55	36.68	23.55	16.57	12.92	10.79
2.5	658.63 *	359.21 *	201.19	115.12	66.38	39.70	24.87	17.26	13.36	10.94
0.0	706.19 *	381.93 *	209.83	119.75	68.35	40.77	25.32	17.49	13.36	10.99
-2.5	658.63 *	359.21 *	201.19	115.12	66.38	39.70	24.87	17.26	13.36	10.94
-5.0	529.54 *	303.50	175.93	102.50	60.55	36.68	23.55	16.57	12.92	10.79
-7.5	384.06 *	234.53	142.28	85.22	51.99	32.53	21.50	15.66	12.38	10.50
-10.0	258.53	168.89	107.27	68.35	42.66	27.75	19.15	14.52	11.76	10.09
-12.5	168.89	116.87	77.83	51.12	33.84	23.10	16.90	13.36	11.13	9.69
-15.0	107.27	77.83	55.14	37.54	26.25	19.10	14.85	12.19	10.53	9.26
-17.5	68.35	51.12	37.54	27.56	20.52	16.01	13.14	11.15	9.82	8.84
-20.0	42.66	33.84	26.25	20.52	16.41	13.69	11.64	10.31	9.22	8.50
-22.5	27.75	23.10	19.10	16.01	13.69	11.83	10.59	9.50	8.70	8.04
-25.0	19.15	16.90	14.85	13.14	11.64	10.59	9.59	8.82	8.27	7.68
-27.5	14.52	13.36	12.19	11.15	10.31	9.50	8.82	8.34	7.76	7.37
-30.0	11.76	11.13	10.53	9.82	9.22	8.70	8.27	7.76	7.41	7.07
-32.5	10.09	9.69	9.26	8.84	8.50	8.04	7.68	7.37	7.07	6.78
-35.0	8.91	8.69	8.47	8.12	7.79	7.55	7.26	7.00	6.75	6.54
-37.5	8.12	7.90	7.72	7.54	7.31	7.10	6.89	6.68	6.48	6.23
-40.0	7.51	7.36	7.21	7.07	6.90	6.73	6.59	6.37	6.17	5.99
-42.5	6.99	6.90	6.79	6.68	6.56	6.41	6.23	6.07	5.90	5.69
-45.0	6.61	6.53	6.42	6.30	6.18	6.06	5.93	5.76	5.59	5.44
-47.5	6.19	6.13	6.06	5.97	5.85	5.72	5.59	5.46	5.36	5.25
-50.0	5.83	5.76	5.68	5.59	5.50	5.42	5.34	5.25	5.09	4.99
-52.5	5.46	5.42	5.37	5.33	5.28	5.15	5.06	4.96	4.83	4.78
-55.0	5.18	5.12	5.08	5.03	4.95	4.84	4.81	4.71	4.57	4.49
-57.5	4.84	4.83	4.81	4.76	4.66	4.57	4.50	4.40	4.28	4.17
-60.0	4.54	4.51	4.47	4.40	4.32	4.25	4.17	4.06	3.93	3.77
-62.5	4.18	4.14	4.09	4.03	3.94	3.83	3.72	3.60	3.46	3.33
-65.0	3.68	3.64	3.58	3.51	3.42	3.33	3.21	3.08	2.95	2.82
-67.5	3.11	3.08	3.01	2.94	2.86	2.78	2.70	2.59	2.45	2.31
-70.0	2.55	2.49	2.43	2.35	2.29	2.22	2.15	2.04	1.92	1.81
-72.5	1.92	1.87	1.83	1.80	1.76	1.72	1.66	1.57	1.48	1.40
-75.0	1.41	1.39	1.36	1.32	1.28	1.24	1.20	1.16	1.12	1.05
-77.5	1.00	0.98	0.95	0.94	0.89	0.86	0.82	0.77	0.74	0.70
-80.0	0.62	0.61	0.59	0.57	0.55	0.53	0.51	0.48	0.45	0.41
-82.5	0.31	0.31	0.30	0.30	0.29	0.29	0.27	0.25	0.23	0.22
-85.0	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.10
-87.5	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02
85.0	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.04
82.5	0.20	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.10	0.09
80.0	0.38	0.35	0.33	0.31	0.29	0.26	0.22	0.19	0.17	0.15
77.5	0.67	0.62	0.58	0.53	0.47	0.41	0.35	0.32	0.30	0.25
75.0	0.98	0.91	0.84	0.76	0.71	0.65	0.58	0.51	0.43	0.35
72.5	1.31	1.23	1.16	1.09	0.99	0.89	0.79	0.71	0.64	0.54
70.0	1.74	1.64	1.51	1.38	1.26	1.17	1.07	0.94	0.82	0.71
67.5	2.19	2.05	1.86	1.76	1.63	1.46	1.31	1.19	1.06	0.92
65.0	2.69	2.52	2.32	2.17	1.96	1.79	1.64	1.46	1.27	1.14
62.5	3.14	2.96	2.78	2.64	2.36	2.18	1.93	1.75	1.55	1.33
60.0	3.60	3.42	3.21	2.99	2.78	2.56	2.29	2.06	1.80	1.60
57.5	4.03	3.83	3.62	3.41	3.16	2.91	2.68	2.37	2.14	1.82
55.0	4.32	4.18	4.02	3.77	3.56	3.28	2.99	2.73	2.40	2.14
52.5	4.59	4.47	4.29	4.12	3.89	3.62	3.34	3.02	2.73	2.37
50.0	4.83	4.73	4.54	4.37	4.18	3.95	3.64	3.34	2.99	2.68
47.5	5.07	4.91	4.81	4.58	4.41	4.19	3.95	3.62	3.28	2.91
45.0	5.33	5.13	4.98	4.82	4.59	4.41	4.18	3.89	3.56	3.16
42.5	5.50	5.36	5.18	5.02	4.82	4.58	4.37	4.12	3.77	3.41
40.0	5.76	5.54	5.37	5.18	4.98	4.81	4.54	4.29	4.02	3.62
37.5	6.03	5.78	5.54	5.36	5.13	4.91	4.73	4.47	4.18	3.83
35.0	6.26	6.03	5.76	5.50	5.33	5.07	4.83	4.59	4.32	4.03
32.5	6.54	6.23	5.99	5.69	5.44	5.25	4.99	4.78	4.49	4.17
30.0	6.75	6.48	6.17	5.90	5.59	5.36	5.09	4.83	4.57	4.28
27.5	7.00	6.68	6.37	6.07	5.76	5.46	5.25	4.96	4.71	4.40
25.0	7.26	6.89	6.59	6.23	5.93	5.59	5.34	5.06	4.81	4.50
22.5	7.55	7.10	6.73	6.41	6.06	5.72	5.42	5.15	4.84	4.57
20.0	7.79	7.31	6.90	6.56	6.18	5.85	5.50	5.28	4.95	4.66
17.5	8.12	7.54	7.07	6.68	6.30	5.97	5.59	5.33	5.03	4.76
15.0	8.47	7.72	7.21	6.79	6.42	6.06	5.68	5.37	5.08	4.81
12.5	8.69	7.90	7.36	6.90	6.53	6.13	5.76	5.42	5.12	4.83
10.0	8.91	8.12	7.51	6.99	6.61	6.19	5.83	5.46	5.18	4.84
7.5	9.14	8.33	7.59	7.07	6.66	6.24	5.89	5.50	5.23	4.87
5.0	9.33	8.45	7.66	7.12	6.69	6.28	5.93	5.53	5.27	4.91
2.5	9.48	8.50	7.71	7.15	6.72	6.31	5.96	5.54	5.30	4.92
0.0	9.48	8.52	7.71	7.17	6.72	6.32	5.96	5.55	5.30	4.93
-2.5	9.48	8.50	7.71	7.15	6.72	6.31	5.96	5.54	5.30	4.92
-5.0	9.33	8.45	7.66	7.12	6.69	6.28	5.93	5.53	5.27	4.91
-7.5	9.14	8.33	7.59	7.07	6.66	6.24	5.89	5.50	5.23	4.87
-10.0	8.91	8.12	7.51	6.99	6.61	6.19	5.83	5.46	5.18	4.84
-12.5	8.69	7.90	7.36	6.90	6.53	6.13	5.76	5.42	5.12	4.83
-15.0	8.47	7.72	7.21	6.79	6.42	6.06	5.68	5.37	5.08	4.81
-17.5	8.12	7.54	7.07	6.68	6.30	5.97	5.59	5.33	5.03	4.76
-20.0	7.79	7.31	6.90	6.56	6.18	5.85	5.50	5.28	4.95	4.66
-22.5	7.55	7.10	6.73	6.41	6.06	5.72	5.42	5.15	4.84	4.57
-25.0	7.26	6.89	6.59	6.23	5.93	5.59	5.34	5.06	4.81	4.50
-27.5	7.00	6.68	6.37	6.07	5.76	5.46	5.25	4.96	4.71	4.40
-30.0	6.75	6.48	6.17	5.90	5.59	5.36	5.09	4.83	4.57	4.28
-32.5	6.54	6.23	5.99	5.69	5.44	5.25	4.99	4.78	4.49	4.17
-35.0	6.26	6.03	5.76	5.50	5.33	5.07	4.83	4.59	4.32	4.03
-37.5	6.03	5.78	5.54	5.36	5.13	4.91	4.73	4.47	4.18	3.83
-40.0	5.76	5.54	5.37	5.18	4.98	4.81	4.54	4.29	4.02	3.62

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

-42.5	5.50	5.36	5.18	5.02	4.82	4.58	4.37	4.12	3.77	3.41
-45.0	5.33	5.13	4.98	4.82	4.59	4.41	4.18	3.89	3.56	3.16
-47.5	5.07	4.91	4.81	4.58	4.41	4.19	3.95	3.62	3.28	2.91
-50.0	4.83	4.73	4.54	4.37	4.18	3.95	3.64	3.34	2.99	2.68
-52.5	4.59	4.47	4.29	4.12	3.89	3.62	3.34	3.02	2.73	2.37
-55.0	4.32	4.18	4.02	3.77	3.56	3.28	2.99	2.73	2.40	2.14
-57.5	4.03	3.83	3.62	3.41	3.16	2.91	2.68	2.37	2.14	1.82
-60.0	3.60	3.42	3.21	2.99	2.78	2.56	2.29	2.06	1.80	1.60
-62.5	3.14	2.96	2.78	2.64	2.36	2.18	1.93	1.75	1.55	1.33
-65.0	2.69	2.52	2.32	2.17	1.96	1.79	1.64	1.46	1.27	1.14
-67.5	2.19	2.05	1.86	1.76	1.63	1.46	1.31	1.19	1.06	0.92
-70.0	1.74	1.64	1.51	1.38	1.26	1.17	1.07	0.94	0.82	0.71
-72.5	1.31	1.23	1.16	1.09	0.99	0.89	0.79	0.71	0.64	0.54
-75.0	0.98	0.91	0.84	0.76	0.71	0.65	0.58	0.51	0.43	0.35
-77.5	0.67	0.62	0.58	0.53	0.47	0.41	0.35	0.32	0.30	0.25
-80.0	0.38	0.35	0.33	0.31	0.29	0.26	0.22	0.19	0.17	0.15
-82.5	0.20	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.10	0.09
-85.0	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.04
-87.5	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
87.5	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85.0	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.01
82.5	0.08	0.06	0.05	0.04	0.04	0.04	0.04	0.03	0.02	0.01
80.0	0.14	0.12	0.10	0.08	0.06	0.04	0.04	0.04	0.03	0.02
77.5	0.20	0.17	0.15	0.13	0.10	0.08	0.05	0.04	0.04	0.03
75.0	0.32	0.28	0.21	0.17	0.14	0.11	0.08	0.05	0.04	0.04
72.5	0.45	0.35	0.31	0.25	0.18	0.15	0.11	0.08	0.04	0.04
70.0	0.62	0.51	0.40	0.32	0.26	0.18	0.14	0.10	0.06	0.04
67.5	0.77	0.66	0.54	0.41	0.32	0.25	0.17	0.13	0.08	0.04
65.0	0.98	0.81	0.67	0.54	0.40	0.31	0.21	0.15	0.10	0.05
62.5	1.17	1.00	0.81	0.66	0.51	0.35	0.28	0.17	0.12	0.06
60.0	1.36	1.17	0.98	0.77	0.62	0.45	0.32	0.20	0.14	0.08
57.5	1.60	1.33	1.14	0.92	0.71	0.54	0.35	0.25	0.15	0.09
55.0	1.80	1.55	1.27	1.06	0.82	0.64	0.43	0.30	0.17	0.10
52.5	2.06	1.75	1.46	1.19	0.94	0.71	0.51	0.32	0.19	0.12
50.0	2.29	1.93	1.64	1.31	1.07	0.79	0.58	0.35	0.22	0.13
47.5	2.56	2.18	1.79	1.46	1.17	0.89	0.65	0.41	0.26	0.14
45.0	2.78	2.36	1.96	1.63	1.26	0.99	0.71	0.47	0.29	0.15
42.5	2.99	2.64	2.17	1.76	1.38	1.09	0.76	0.53	0.31	0.16
40.0	3.21	2.78	2.32	1.86	1.51	1.16	0.84	0.58	0.33	0.17
37.5	3.42	2.96	2.52	2.05	1.64	1.23	0.91	0.62	0.35	0.18
35.0	3.60	3.14	2.69	2.19	1.74	1.31	0.98	0.67	0.38	0.20
32.5	3.77	3.33	2.82	2.31	1.81	1.40	1.05	0.70	0.41	0.22
30.0	3.93	3.46	2.95	2.45	1.92	1.48	1.12	0.74	0.45	0.23
27.5	4.06	3.60	3.08	2.59	2.04	1.57	1.16	0.77	0.48	0.25
25.0	4.17	3.72	3.21	2.70	2.15	1.66	1.20	0.82	0.51	0.27
22.5	4.25	3.83	3.33	2.78	2.22	1.72	1.24	0.86	0.53	0.29
20.0	4.32	3.94	3.42	2.86	2.29	1.76	1.28	0.89	0.55	0.29
17.5	4.40	4.03	3.51	2.94	2.35	1.80	1.32	0.94	0.57	0.30
15.0	4.47	4.09	3.58	3.01	2.43	1.83	1.36	0.95	0.59	0.30
12.5	4.51	4.14	3.64	3.08	2.49	1.87	1.39	0.98	0.61	0.31

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

10.0	4.54	4.18	3.68	3.11	2.55	1.92	1.41	1.00	0.62	0.31
7.5	4.56	4.21	3.72	3.15	2.59	1.95	1.43	1.01	0.64	0.32
5.0	4.58	4.23	3.75	3.18	2.64	1.98	1.46	1.02	0.64	0.32
2.5	4.59	4.24	3.77	3.20	2.64	1.99	1.46	1.03	0.64	0.32
0.0	4.59	4.25	3.77	3.21	2.64	2.00	1.46	1.03	0.64	0.32
-2.5	4.59	4.24	3.77	3.20	2.64	1.99	1.46	1.03	0.64	0.32
-5.0	4.58	4.23	3.75	3.18	2.64	1.98	1.46	1.02	0.64	0.32
-7.5	4.56	4.21	3.72	3.15	2.59	1.95	1.43	1.01	0.64	0.32
-10.0	4.54	4.18	3.68	3.11	2.55	1.92	1.41	1.00	0.62	0.31
-12.5	4.51	4.14	3.64	3.08	2.49	1.87	1.39	0.98	0.61	0.31
-15.0	4.47	4.09	3.58	3.01	2.43	1.83	1.36	0.95	0.59	0.30
-17.5	4.40	4.03	3.51	2.94	2.35	1.80	1.32	0.94	0.57	0.30
-20.0	4.32	3.94	3.42	2.86	2.29	1.76	1.28	0.89	0.55	0.29
-22.5	4.25	3.83	3.33	2.78	2.22	1.72	1.24	0.86	0.53	0.29
-25.0	4.17	3.72	3.21	2.70	2.15	1.66	1.20	0.82	0.51	0.27
-27.5	4.06	3.60	3.08	2.59	2.04	1.57	1.16	0.77	0.48	0.25
-30.0	3.93	3.46	2.95	2.45	1.92	1.48	1.12	0.74	0.45	0.23
-32.5	3.77	3.33	2.82	2.31	1.81	1.40	1.05	0.70	0.41	0.22
-35.0	3.60	3.14	2.69	2.19	1.74	1.31	0.98	0.67	0.38	0.20
-37.5	3.42	2.96	2.52	2.05	1.64	1.23	0.91	0.62	0.35	0.18
-40.0	3.21	2.78	2.32	1.86	1.51	1.16	0.84	0.58	0.33	0.17
-42.5	2.99	2.64	2.17	1.76	1.38	1.09	0.76	0.53	0.31	0.16
-45.0	2.78	2.36	1.96	1.63	1.26	0.99	0.71	0.47	0.29	0.15
-47.5	2.56	2.18	1.79	1.46	1.17	0.89	0.65	0.41	0.26	0.14
-50.0	2.29	1.93	1.64	1.31	1.07	0.79	0.58	0.35	0.22	0.13
-52.5	2.06	1.75	1.46	1.19	0.94	0.71	0.51	0.32	0.19	0.12
-55.0	1.80	1.55	1.27	1.06	0.82	0.64	0.43	0.30	0.17	0.10
-57.5	1.60	1.33	1.14	0.92	0.71	0.54	0.35	0.25	0.15	0.09
-60.0	1.36	1.17	0.98	0.77	0.62	0.45	0.32	0.20	0.14	0.08
-62.5	1.17	1.00	0.81	0.66	0.51	0.35	0.28	0.17	0.12	0.06
-65.0	0.98	0.81	0.67	0.54	0.40	0.31	0.21	0.15	0.10	0.05
-67.5	0.77	0.66	0.54	0.41	0.32	0.25	0.17	0.13	0.08	0.04
-70.0	0.62	0.51	0.40	0.32	0.26	0.18	0.14	0.10	0.06	0.04
-72.5	0.45	0.35	0.31	0.25	0.18	0.15	0.11	0.08	0.04	0.04
-75.0	0.32	0.28	0.21	0.17	0.14	0.11	0.08	0.05	0.04	0.04
-77.5	0.20	0.17	0.15	0.13	0.10	0.08	0.05	0.04	0.04	0.03
-80.0	0.14	0.12	0.10	0.08	0.06	0.04	0.04	0.04	0.03	0.02
-82.5	0.08	0.06	0.05	0.04	0.04	0.04	0.04	0.03	0.02	0.01
-85.0	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.01
-87.5	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Vert. Angles	Horizontal Angles		
	85.0	87.5	90.0
90.0	0.01	0.01	0.01
87.5	0.01	0.01	0.01
85.0	0.01	0.01	0.01
82.5	0.01	0.01	0.01
80.0	0.01	0.01	0.01
77.5	0.01	0.01	0.01
75.0	0.02	0.01	0.01
72.5	0.03	0.01	0.01
70.0	0.03	0.01	0.01
67.5	0.04	0.01	0.01
65.0	0.04	0.01	0.01

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

62.5	0.04	0.01	0.01
60.0	0.04	0.02	0.01
57.5	0.04	0.02	0.01
55.0	0.04	0.02	0.01
52.5	0.04	0.03	0.01
50.0	0.05	0.03	0.01
47.5	0.06	0.03	0.01
45.0	0.07	0.03	0.01
42.5	0.07	0.04	0.01
40.0	0.08	0.04	0.01
37.5	0.09	0.04	0.01
35.0	0.09	0.04	0.01
32.5	0.10	0.04	0.01
30.0	0.11	0.04	0.01
27.5	0.11	0.04	0.01
25.0	0.12	0.04	0.01
22.5	0.12	0.04	0.01
20.0	0.12	0.04	0.01
17.5	0.13	0.04	0.01
15.0	0.13	0.04	0.01
12.5	0.13	0.04	0.01
10.0	0.14	0.04	0.01
7.5	0.14	0.04	0.01
5.0	0.14	0.04	0.01
2.5	0.14	0.04	0.01
0.0	0.14	0.04	0.01
-2.5	0.14	0.04	0.01
-5.0	0.14	0.04	0.01
-7.5	0.14	0.04	0.01
-10.0	0.14	0.04	0.01
-12.5	0.13	0.04	0.01
-15.0	0.13	0.04	0.01
-17.5	0.13	0.04	0.01
-20.0	0.12	0.04	0.01
-22.5	0.12	0.04	0.01
-25.0	0.12	0.04	0.01
-27.5	0.11	0.04	0.01
-30.0	0.11	0.04	0.01
-32.5	0.10	0.04	0.01
-35.0	0.09	0.04	0.01
-37.5	0.09	0.04	0.01
-40.0	0.08	0.04	0.01
-42.5	0.07	0.04	0.01
-45.0	0.07	0.03	0.01
-47.5	0.06	0.03	0.01
-50.0	0.05	0.03	0.01
-52.5	0.04	0.03	0.01
-55.0	0.04	0.02	0.01
-57.5	0.04	0.02	0.01
-60.0	0.04	0.02	0.01
-62.5	0.04	0.01	0.01
-65.0	0.04	0.01	0.01
-67.5	0.04	0.01	0.01
-70.0	0.03	0.01	0.01
-72.5	0.03	0.01	0.01
-75.0	0.02	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-77.5	0.01	0.01	0.01
-80.0	0.01	0.01	0.01
-82.5	0.01	0.01	0.01
-85.0	0.01	0.01	0.01
-87.5	0.01	0.01	0.01
-90.0	0.01	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 124.81

Total Field Lumens (one side of beam only) = 90.38

* 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	0.01	0.01	0.01	0.01	0.01	0.01	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	0.01	0.01
62.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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	0.01	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	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
35	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
32.5	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

30										
	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
27.5										
	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
25										
	0.06	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.02
22.5										
	0.10	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
20										
	0.18	0.16	0.14	0.12	0.09	0.07	0.05	0.04	0.03	0.02
17.5										
	0.31	0.28	0.24	0.19	0.14	0.10	0.07	0.05	0.04	0.03
15										
	0.55	0.49	0.41	0.31	0.22	0.15	0.10	0.07	0.05	0.03
12.5										
	1.00 *	0.88 *	0.69 *	0.49	0.33	0.22	0.14	0.09	0.06	0.04
10										
	1.81 *	1.55 *	1.15 *	0.77 *	0.49	0.30	0.18	0.11	0.07	0.04
7.5										
	3.01 *	2.53 *	1.81 *	1.14 *	0.68 *	0.40	0.23	0.14	0.08	0.05
5										
	4.32 *	3.60 *	2.52 *	1.53 *	0.86 *	0.48	0.27	0.16	0.09	0.05
2.5										
	5.23 *	4.32 *	3.00 *	1.79 *	0.98 *	0.53	0.30	0.17	0.10	0.06
0										
	5.23 *	4.32 *	3.00 *	1.79 *	0.98 *	0.53	0.30	0.17	0.10	0.06
-2.5										
	4.32 *	3.60 *	2.52 *	1.53 *	0.86 *	0.48	0.27	0.16	0.09	0.05
-5										
	3.01 *	2.53 *	1.81 *	1.14 *	0.68 *	0.40	0.23	0.14	0.08	0.05
-7.5										
	1.81 *	1.55 *	1.15 *	0.77 *	0.49	0.30	0.18	0.11	0.07	0.04
-10										
	1.00 *	0.88 *	0.69 *	0.49	0.33	0.22	0.14	0.09	0.06	0.04
-12.5										
	0.55	0.49	0.41	0.31	0.22	0.15	0.10	0.07	0.05	0.03
-15										
	0.31	0.28	0.24	0.19	0.14	0.10	0.07	0.05	0.04	0.03
-17.5										
	0.18	0.16	0.14	0.12	0.09	0.07	0.05	0.04	0.03	0.02
-20										
	0.10	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
-22.5										
	0.06	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.02
-25										
	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
-27.5										
	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
-30										
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
-32.5										
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
-35										
	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
-37.5										
	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-40	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
-45	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
-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	0.01
-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	0.00	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
-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	33.70	28.50	20.73	13.44	8.29	5.14	3.28	2.16	1.50	1.12

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
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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	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.01	0.01	0.01	0.01	0.01	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	0.00	0.00	0.00
55	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	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	0.00
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
35	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
32.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
30	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
27.5	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
25	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22.5	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
20	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
17.5	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12.5	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

7.5										
	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
5										
	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
2.5										
	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
0										
	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-2.5										
	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-5										
	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-7.5										
	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-10										
	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-12.5										
	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-15										
	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-17.5										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-20										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-22.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-25										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-27.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-30										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-32.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-35										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-37.5										
	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
-42.5										
	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
-47.5										
	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	0.00
-52.5										
	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	0.00	0.00	0.00
-57.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-60										
	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-62.5	0.01	0.01	0.01	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
-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	0.89	0.75	0.66	0.59	0.53	0.48	0.44	0.40	0.36	0.32

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 : PORL_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	0.00	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-7.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-10	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-12.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-15	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-17.5	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-20	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-25	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-27.5	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	0.00	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
-35	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-37.5	0.01	0.00	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
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45	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
-50	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
-55	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
-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 : PORL_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	0.29	0.25	0.22	0.19	0.16	0.13	0.10	0.07	0.05	0.03

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	0.01
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
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	0.15
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.32
30	0.00	0.00	0.00	0.00	0.00	0.00	0.36
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.42
25	0.00	0.00	0.00	0.00	0.00	0.00	0.54
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.73
20	0.00	0.00	0.00	0.00	0.00	0.00	1.06
17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.61
15	0.00	0.00	0.00	0.00	0.00	0.00	2.54
12.5	0.00	0.00	0.00	0.00	0.00	0.00	4.11
10	0.00	0.00	0.00	0.00	0.00	0.00	6.66
7.5	0.00	0.00	0.00	0.00	0.00	0.00	10.27
5	0.00	0.00	0.00	0.00	0.00	0.00	14.10
2.5	0.00	0.00	0.00	0.00	0.00	0.00	16.66
0	0.00	0.00	0.00	0.00	0.00	0.00	16.66
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	14.10
-5	0.00	0.00	0.00	0.00	0.00	0.00	10.27
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	6.66
-10	0.00	0.00	0.00	0.00	0.00	0.00	4.11
-12.5	0.00	0.00	0.00	0.00	0.00	0.00	2.54
-15	0.00	0.00	0.00	0.00	0.00	0.00	1.61
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.06
-20	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	0.54
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.42
-27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.36
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.32
-32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.29
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.27

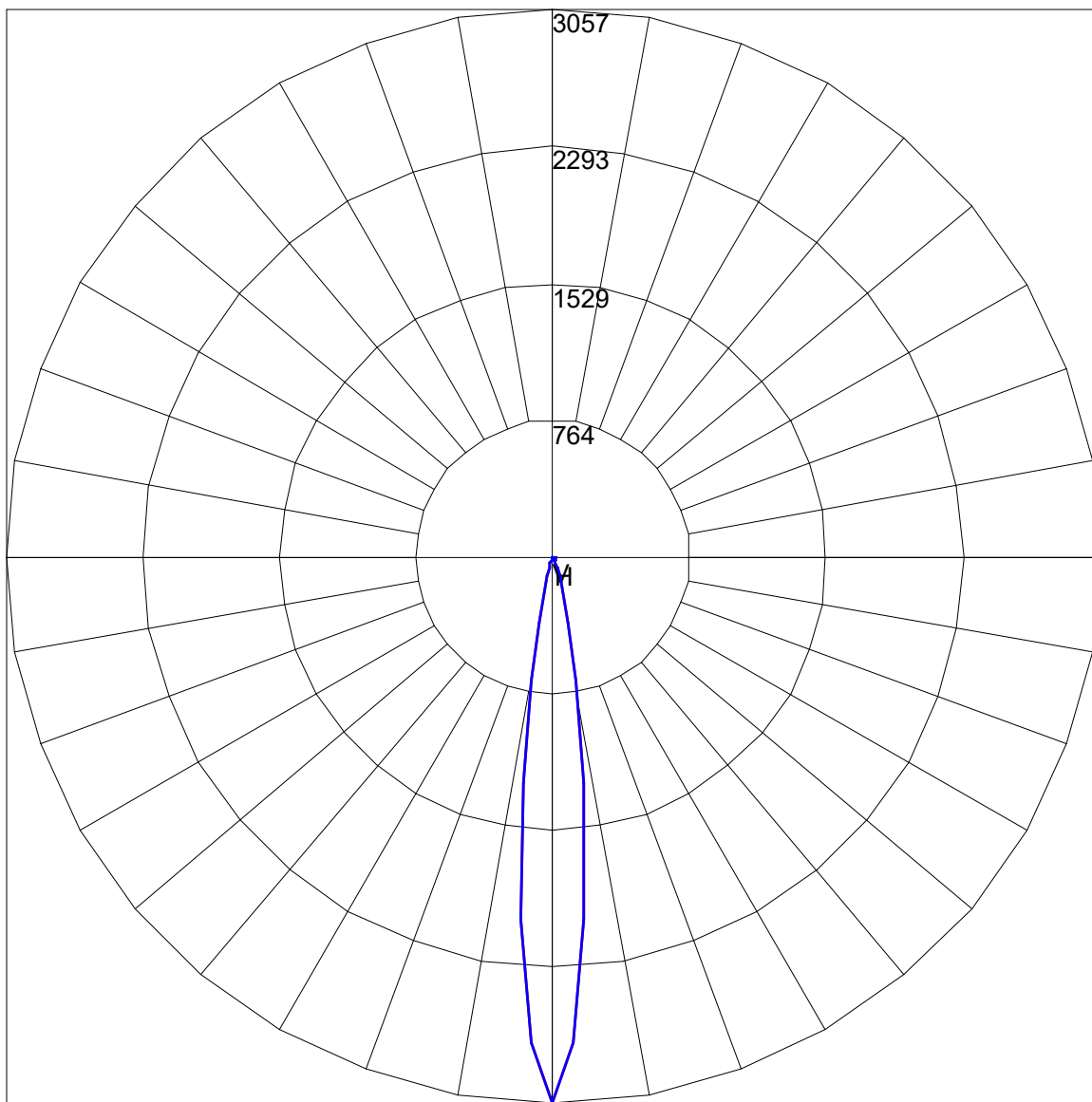
IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.25
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.24
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.23
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.21
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.20
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.19
-52.5	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	0.17
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.15
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.14
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.12
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.10
-67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.08
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.07
-72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.05
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.04
-77.5	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	0.01
-82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.01
-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							
Total	0.02	0.01	0.00	0.00	0.00	0.00	124.81

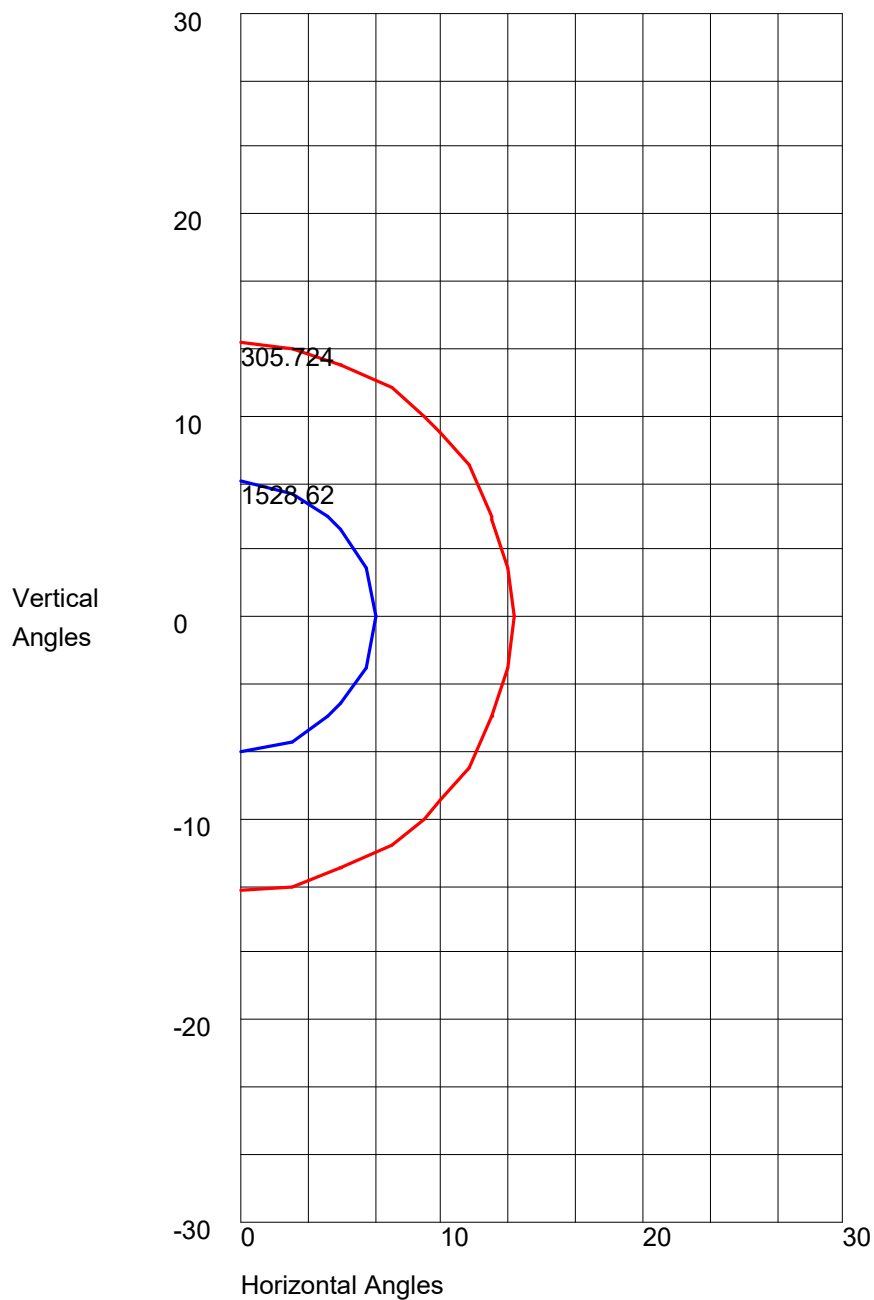
IES FLOOD REPORT
PHOTOMETRIC FILENAME : PORL_SINGLE_LAMP.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 3057.24 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3057.24 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1528.62
10% Maximum Candela = 305.724