



IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-51
[TESTLAB] JEWOO
[TESTDATE] 8/6/2013
[ISSUEDATE] 6/17/2020
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CEL-2W_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	4 H x 4 V
Maximum Candela	225
Maximum Candela Angle	-7.5H 0V
Horizontal Beam Angle (50%)	28.5
Vertical Beam Angle (50%)	30.9
Horizontal Field Angle (10%)	51.0
Vertical Field Angle (10%)	56.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	33
Beam Efficiency	N.A.
Field Lumens	58
Field Efficiency	N.A.
Spill Lumens	18
Luminaire Lumens	75
Total Efficiency	N.A.
Total Luminaire Watts	1
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
87.5	0	87.5	0
85	0	85	0
82.5	0	82.5	0
80	0	80	0
77.5	0	77.5	1
75	0	75	2
72.5	0	72.5	2
70	1	70	2
67.5	1	67.5	2
65	1	65	3
62.5	1	62.5	3
60	2	60	3
57.5	2	57.5	4
55	2	55	4
52.5	3	52.5	4
50	3	50	4
47.5	3	47.5	5
45	3	45	5
42.5	3	42.5	7
40	4	40	10
37.5	4	37.5	12
35	5	35	15
32.5	5	32.5	17
30	6	30	19
27.5	6	27.5	38
25	7	25	58
22.5	9	22.5	74
20	13	20	90
17.5	19	17.5	112
15	27	15	135
12.5	38	12.5	138
10	54	10	141
7.5	78	7.5	154
5	108	5	167
2.5	140	2.5	169
0	171	0	171
-2.5	199	-2.5	154
-5	217	-5	136
-7.5	225	-7.5	110
-10	224	-10	84
-12.5	213	-12.5	64
-15	198	-15	43
-17.5	178	-17.5	36
-20	156	-20	29
-22.5	128	-22.5	24
-25	99	-25	18
-27.5	71	-27.5	12
-30	47	-30	6
-32.5	30	-32.5	5
-35	21	-35	5
-37.5	15	-37.5	5
-40	10	-40	4
-42.5	8	-42.5	4

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AXIAL CANDELA - (Cont.)

DEG.	HOR.	DEG.	VERT.
-45	7	-45	3
-47.5	6	-47.5	3
-50	5	-50	3
-52.5	5	-52.5	3
-55	5	-55	2
-57.5	4	-57.5	2
-60	4	-60	2
-62.5	3	-62.5	2
-65	3	-65	1
-67.5	3	-67.5	1
-70	3	-70	1
-72.5	2	-72.5	1
-75	2	-75	0
-77.5	2	-77.5	0
-80	1	-80	0
-82.5	1	-82.5	0
-85	1	-85	0
-87.5	0	-87.5	0
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 225

Beam Edge = 112.5 Cd (50% of Max.)

Field Edge = 22.5 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-87.5</u>	<u>-85.0</u>	<u>-82.5</u>	<u>-80.0</u>	<u>-77.5</u>	<u>-75.0</u>	<u>-72.5</u>	<u>-70.0</u>	<u>-67.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	1	1	1
75.0	0	0	0	1	1	1	1	1	1	1
72.5	0	0	0	1	1	1	1	1	1	1
70.0	0	0	0	1	1	1	1	1	1	1
67.5	0	0	0	1	1	1	1	1	1	1
65.0	0	0	0	1	1	1	1	1	1	1
62.5	0	0	0	1	1	1	1	1	1	2
60.0	0	0	0	1	1	1	1	1	2	2
57.5	0	0	0	1	1	1	1	1	2	2
55.0	0	0	0	1	1	1	1	1	2	2
52.5	0	0	0	1	1	1	1	2	2	2
50.0	0	0	1	1	1	1	1	2	2	2
47.5	0	0	0	1	1	1	2	2	2	2
45.0	0	0	0	1	1	1	2	2	2	2
42.5	0	0	1	1	1	1	2	2	2	2
40.0	0	0	1	1	1	1	2	2	2	2
37.5	0	0	1	1	1	1	2	2	2	3
35.0	0	0	0	1	1	1	2	2	2	3
32.5	0	0	1	1	1	1	2	2	2	3
30.0	0	0	1	1	1	2	2	2	3	3
27.5	0	0	1	1	1	2	2	2	2	3
25.0	0	0	1	1	1	2	2	2	2	3
22.5	0	0	1	1	1	2	2	2	3	3
20.0	0	0	1	1	1	2	2	2	3	3
17.5	0	0	1	1	1	2	2	2	3	3
15.0	0	0	1	1	1	2	2	2	3	3
12.5	0	0	1	1	1	2	2	2	3	3
10.0	0	0	1	1	1	2	2	2	3	3
7.5	0	0	1	1	1	2	2	2	3	3
5.0	0	0	1	1	1	2	2	2	3	3
2.5	0	0	1	1	1	2	2	2	3	3
0.0	0	0	1	1	1	2	2	2	3	3
-2.5	0	0	1	1	1	2	2	2	3	3
-5.0	0	0	1	1	1	2	2	2	3	3
-7.5	0	0	1	1	1	2	2	2	3	3
-10.0	0	0	1	1	1	2	2	2	3	3
-12.5	0	0	1	1	1	2	2	2	2	3
-15.0	0	0	1	1	1	1	2	2	2	3
-17.5	0	0	1	1	1	2	2	2	2	3
-20.0	0	0	1	1	1	2	2	2	2	3
-22.5	0	0	1	1	1	1	2	2	2	2
-25.0	0	0	1	1	1	1	2	2	2	2
-27.5	0	0	1	1	1	1	2	2	2	2
-30.0	0	0	1	1	1	1	2	2	2	2

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CANDELA TABULATION - (Cont.)

-32.5	0	0	1	1	1	1	2	2	2	2
-35.0	0	0	1	1	1	1	1	2	2	2
-37.5	0	0	1	1	1	1	1	2	2	2
-40.0	0	0	1	1	1	1	1	2	2	2
-42.5	0	0	1	1	1	1	1	1	2	2
-45.0	0	0	1	1	1	1	1	1	2	2
-47.5	0	0	1	1	1	1	1	1	1	2
-50.0	0	0	1	1	1	1	1	1	1	2
-52.5	0	0	1	1	1	1	1	1	1	1
-55.0	0	0	1	1	1	1	1	1	1	1
-57.5	0	0	1	1	1	1	1	1	1	1
-60.0	0	0	1	1	1	1	1	1	1	1
-62.5	0	0	1	1	1	1	1	1	1	1
-65.0	0	0	1	1	1	1	1	1	1	1
-67.5	0	0	1	1	1	1	1	1	1	1
-70.0	0	0	1	1	1	1	1	1	1	1
-72.5	0	0	1	1	1	1	1	1	1	1
-75.0	0	0	0	1	1	1	1	1	1	1
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	2	2	2	2
72.5	1	1	1	2	2	2	2	2	2	2
70.0	1	2	2	2	2	2	2	2	2	2
67.5	1	2	2	2	2	2	2	2	2	2
65.0	2	2	2	2	2	2	2	2	3	3
62.5	2	2	2	2	2	2	3	3	3	3
60.0	2	2	2	2	3	3	3	3	3	3
57.5	2	2	2	2	3	3	3	3	3	3
55.0	2	2	2	3	3	3	3	3	3	3
52.5	2	2	3	3	3	3	3	3	3	4
50.0	2	3	3	3	3	3	3	3	4	4
47.5	2	3	3	3	3	3	3	4	4	4
45.0	3	3	3	3	3	3	3	4	4	4
42.5	3	3	3	3	3	3	4	4	4	5
40.0	3	3	3	3	3	4	4	4	4	5
37.5	3	3	3	3	4	4	4	4	5	5
35.0	3	3	3	3	4	4	4	5	5	5
32.5	3	3	3	3	4	4	5	5	5	5
30.0	3	3	3	4	4	4	5	5	5	6
27.5	3	3	3	4	4	4	5	5	5	6
25.0	3	3	3	4	4	4	5	5	6	6
22.5	3	3	3	4	4	5	5	5	6	6

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CANDELA TABULATION - (Cont.)

20.0	3	3	4	4	4	5	5	6	6	7
17.5	3	3	4	4	4	5	5	6	6	7
15.0	3	3	4	4	4	5	5	6	6	7
12.5	3	3	4	4	5	5	5	6	6	7
10.0	3	3	4	4	5	5	5	6	7	8
7.5	3	3	4	4	5	5	5	6	6	7
5.0	3	3	4	4	5	5	5	6	6	7
2.5	3	3	4	4	5	5	5	6	7	8
0.0	3	3	4	4	5	5	5	6	7	8
-2.5	3	3	4	4	5	5	5	6	6	7
-5.0	3	3	3	4	4	5	5	5	6	7
-7.5	3	3	3	4	4	5	5	5	6	7
-10.0	3	3	3	4	4	5	5	5	6	7
-12.5	3	3	3	4	4	5	5	5	6	6
-15.0	3	3	3	4	4	4	5	5	5	6
-17.5	3	3	3	4	4	4	5	5	5	6
-20.0	3	3	3	3	4	4	5	5	5	6
-22.5	3	3	3	3	4	4	4	5	5	5
-25.0	3	3	3	3	3	4	4	4	5	5
-27.5	3	3	3	3	3	4	4	4	4	5
-30.0	3	3	3	3	3	3	4	4	4	5
-32.5	3	3	3	3	3	3	4	4	4	4
-35.0	2	2	3	3	3	3	3	4	4	4
-37.5	2	2	3	3	3	3	3	3	4	4
-40.0	2	2	3	3	3	3	3	3	4	4
-42.5	2	2	2	3	3	3	3	3	3	4
-45.0	2	2	2	3	3	3	3	3	3	3
-47.5	2	2	2	2	3	3	3	3	3	3
-50.0	2	2	2	2	2	2	3	3	3	3
-52.5	2	2	2	2	2	2	2	2	3	3
-55.0	1	2	2	2	2	2	2	2	2	2
-57.5	1	1	2	2	2	2	2	2	2	2
-60.0	1	1	1	2	2	2	2	2	2	2
-62.5	1	1	1	1	2	2	2	2	2	2
-65.0	1	1	1	1	1	1	1	2	2	2
-67.5	1	1	1	1	1	1	1	1	1	1
-70.0	1	1	1	1	1	1	1	1	1	1
-72.5	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	1	1	1	1	1	1	1	1	1	1
75.0	2	2	2	2	2	2	2	2	2	2

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CANDELA TABULATION - (Cont.)

72.5	2	2	2	2	2	2	2	2	2	2
70.0	2	2	2	2	2	2	2	2	2	2
67.5	2	2	2	2	2	2	2	2	2	2
65.0	3	3	3	3	3	3	3	2	2	3
62.5	3	3	3	3	3	3	3	3	3	3
60.0	3	3	3	3	3	3	3	3	3	3
57.5	3	3	3	3	3	3	3	3	3	3
55.0	4	4	4	4	4	4	3	3	3	4
52.5	4	4	4	4	4	4	4	4	4	4
50.0	4	4	4	4	4	4	4	4	4	4
47.5	4	4	4	4	4	4	4	4	4	4
45.0	4	5	5	5	5	5	5	5	5	5
42.5	5	5	5	5	6	6	6	7	7	7
40.0	5	5	6	6	6	7	8	9	10	10
37.5	5	6	6	6	7	8	9	11	12	13
35.0	5	6	6	7	8	9	11	12	14	15
32.5	6	6	7	7	9	11	13	15	17	18
30.0	6	7	7	8	10	12	15	17	19	21
27.5	6	7	8	10	13	17	23 *	28 *	34 *	39 *
25.0	7	8	10	12	16	22	31 *	40 *	49 *	58 *
22.5	7	9	12	15	21	30 *	42 *	55 *	68 *	79 *
20.0	8	11	14	19	27 *	39 *	53 *	70 *	86 *	100 *
17.5	8	11	15	20	28 *	42 *	59 *	78 *	98 *	116 *
15.0	8	11	15	21	30 *	44 *	64 *	86 *	110 *	132 *
12.5	9	12	17	24 *	34 *	51 *	73 *	96 *	121 *	142 *
10.0	9	13	18	26 *	39 *	58 *	81 *	107 *	132 *	152 *
7.5	9	13	18	25 *	37 *	57 *	81 *	107 *	133 *	155 *
5.0	9	12	17	24 *	36 *	56 *	80 *	107 *	134 *	157 *
2.5	10	13	19	27 *	41 *	64 *	89 *	118 *	145 *	168 *
0.0	10	15	21	30 *	47 *	71 *	99 *	128 *	156 *	178 *
-2.5	9	13	18	25 *	39 *	59 *	83 *	108 *	133 *	153 *
-5.0	8	11	15	21	31 *	47 *	66 *	88 *	109 *	128 *
-7.5	8	10	14	19	29 *	42 *	58 *	76 *	94 *	109 *
-10.0	8	10	13	18	26 *	37 *	50 *	64 *	78 *	91 *
-12.5	7	9	11	15	20	28 *	37 *	47 *	57 *	67 *
-15.0	6	7	9	11	14	18	24 *	29 *	37 *	44 *
-17.5	6	7	8	10	13	17	21	26 *	33 *	39 *
-20.0	6	7	8	10	12	16	19	23 *	29 *	33 *
-22.5	6	6	7	9	10	13	16	19	23 *	26 *
-25.0	5	6	6	7	8	10	12	14	16	19
-27.5	5	5	6	6	7	8	9	10	12	13
-30.0	5	5	5	5	6	6	6	6	7	7
-32.5	5	5	5	5	5	5	6	6	6	6
-35.0	4	4	5	5	5	5	5	5	6	6
-37.5	4	4	4	4	5	5	5	5	5	5
-40.0	4	4	4	4	4	4	5	5	5	5
-42.5	4	4	4	4	4	4	4	4	4	4
-45.0	3	3	4	4	4	4	4	4	4	4
-47.5	3	3	3	3	3	3	3	4	4	4
-50.0	3	3	3	3	3	3	3	3	3	3
-52.5	3	3	3	3	3	3	3	3	3	3
-55.0	2	3	3	3	3	3	3	3	3	3
-57.5	2	2	2	2	2	2	2	2	2	2
-60.0	2	2	2	2	2	2	2	2	2	2
-62.5	2	2	2	2	2	2	2	2	2	2
-65.0	2	2	2	2	2	2	2	2	2	2

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CANDELA TABULATION - (Cont.)

-67.5	1	1	1	1	2	1	1	1	1	1
-70.0	1	1	1	1	1	1	1	1	1	1
-72.5	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	1	1	1	1
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	1	1	1	1	1	1	1	1	1	1
75.0	2	2	2	2	2	2	2	1	1	1
72.5	2	2	2	2	2	2	2	2	2	2
70.0	2	2	2	2	2	2	2	2	2	2
67.5	2	2	2	2	2	2	2	2	2	2
65.0	3	3	3	3	3	3	3	3	3	3
62.5	3	3	3	3	3	3	3	3	3	3
60.0	3	3	3	3	3	3	3	3	3	3
57.5	3	3	3	3	4	4	4	3	3	3
55.0	4	4	4	4	4	4	4	4	4	4
52.5	4	4	4	4	4	4	4	4	4	4
50.0	4	4	4	5	5	5	4	5	5	4
47.5	5	5	5	5	5	5	5	5	5	5
45.0	5	5	5	5	5	5	5	5	5	5
42.5	8	8	8	8	8	8	7	7	7	6
40.0	11	11	11	11	11	10	10	9	8	7
37.5	14	14	15	15	14	13	12	11	10	9
35.0	16	17	18	18	17	16	15	13	12	10
32.5	19	20	21	21	20	19	17	15	13	11
30.0	22	23 *	24 *	24 *	23 *	21	19	17	14	12
27.5	43 *	46 *	48 *	48 *	47 *	43 *	38 *	33 *	27 *	21
25.0	64 *	69 *	72 *	73 *	71 *	66 *	58 *	49 *	39 *	30 *
22.5	87 *	93 *	97 *	97 *	93 *	85 *	74 *	61 *	47 *	35 *
20.0	110 *	118 *	122 *	121 *	115 *	105 *	90 *	73 *	56 *	41 *
17.5	130 *	139 *	145 *	146 *	141 *	129 *	112 *	92 *	71 *	52 *
15.0	149 *	161 *	169 *	171 *	166 *	153 *	135 *	111 *	86 *	64 *
12.5	159 *	171 *	179 *	180 *	173 *	158 *	138 *	113 *	87 *	63 *
10.0	169 *	181 *	188 *	188 *	180 *	164 *	141 *	114 *	87 *	63 *
7.5	173 *	186 *	196 *	198 *	192 *	176 *	154 *	126 *	98 *	72 *
5.0	177 *	192 *	203 *	208 *	203 *	189 *	167 *	139 *	109 *	81 *
2.5	187 *	202 *	214 *	217 *	210 *	194 *	169 *	139 *	109 *	79 *
0.0	198 *	213 *	224 *	225 *	217 *	199 *	171 *	140 *	108 *	78 *
-2.5	171 *	185 *	195 *	198 *	192 *	177 *	154 *	127 *	99 *	73 *
-5.0	144 *	157 *	167 *	170 *	166 *	155 *	136 *	114 *	91 *	68 *
-7.5	123 *	133 *	140 *	142 *	137 *	126 *	110 *	92 *	73 *	54 *
-10.0	101 *	109 *	114 *	113 *	108 *	98 *	84 *	70 *	55 *	41 *
-12.5	76 *	83 *	86 *	86 *	82 *	74 *	64 *	53 *	43 *	33 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-15.0	51 *	56 *	59 *	58 *	55 *	50 *	43 *	37 *	31 *	25 *
-17.5	44 *	48 *	50 *	49 *	46 *	42 *	36 *	31 *	25 *	20
-20.0	38 *	41 *	42 *	40 *	38 *	33 *	29 *	25 *	20	16
-22.5	30 *	32 *	33 *	32 *	30 *	27 *	24 *	20	17	14
-25.0	21	23 *	24 *	24 *	23 *	21	18	16	14	11
-27.5	14	15	15	15	14	13	12	11	9	8
-30.0	7	7	7	6	6	6	6	5	5	5
-32.5	6	6	6	6	6	6	5	5	5	5
-35.0	6	6	6	6	5	5	5	5	4	4
-37.5	5	5	5	5	5	5	5	4	4	4
-40.0	5	5	5	5	4	4	4	4	4	4
-42.5	4	4	4	4	4	4	4	4	4	3
-45.0	4	4	4	4	4	3	3	3	3	3
-47.5	4	3	3	3	3	3	3	3	3	3
-50.0	3	3	3	3	3	3	3	3	3	3
-52.5	3	3	3	3	3	3	3	3	2	2
-55.0	3	3	3	3	3	2	2	2	2	2
-57.5	2	2	2	2	2	2	2	2	2	2
-60.0	2	2	2	2	2	2	2	2	2	2
-62.5	2	2	2	2	2	2	2	2	2	1
-65.0	2	2	2	2	2	1	1	1	1	1
-67.5	1	1	1	1	1	1	1	1	1	1
-70.0	1	1	1	1	1	1	1	1	1	1
-72.5	1	1	1	1	1	1	1	1	1	1
-75.0	1	1	1	1	1	1	0	0	0	0
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	1	1	1	1	1	1	1	0	0	0
75.0	1	1	1	1	1	1	1	1	1	1
72.5	2	2	1	1	1	1	1	1	1	1
70.0	2	2	2	2	2	1	1	1	1	1
67.5	2	2	2	2	2	2	2	2	1	1
65.0	2	2	2	2	2	2	2	2	2	2
62.5	3	3	3	2	2	2	2	2	2	2
60.0	3	3	3	3	3	2	2	2	2	2
57.5	3	3	3	3	3	3	2	2	2	2
55.0	4	3	3	3	3	3	3	3	2	2
52.5	4	4	4	3	3	3	3	3	3	2
50.0	4	4	4	4	4	3	3	3	3	3
47.5	4	4	4	4	4	4	3	3	3	3
45.0	5	5	4	4	4	4	4	3	3	3
42.5	6	5	5	5	4	4	4	4	3	3
40.0	6	6	5	5	5	4	4	4	4	3

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

37.5	7	6	6	5	5	5	4	4	4	4
35.0	8	7	6	6	5	5	5	5	4	4
32.5	9	8	7	6	5	5	5	5	4	4
30.0	10	8	7	6	6	5	5	5	5	4
27.5	15	12	10	8	7	6	5	5	5	4
25.0	21	16	13	10	8	7	6	5	5	5
22.5	25 *	19	14	11	8	7	6	5	5	5
20.0	29 *	22	16	12	9	7	6	5	5	5
17.5	36 *	27 *	20	14	10	8	6	6	5	5
15.0	44 *	32 *	23 *	17	12	9	7	6	5	5
12.5	43 *	32 *	23 *	17	12	9	7	6	5	5
10.0	43 *	32 *	23 *	16	11	8	7	6	5	5
7.5	50 *	35 *	26 *	18	13	9	7	6	6	5
5.0	56 *	39 *	29 *	20	14	10	7	6	6	5
2.5	55 *	39 *	28 *	20	14	10	7	6	6	5
0.0	54 *	38 *	27 *	19	13	9	7	6	6	5
-2.5	51 *	36 *	26 *	18	13	9	7	6	6	5
-5.0	48 *	34 *	24 *	18	12	9	7	6	5	5
-7.5	39 *	28 *	20	15	11	8	7	6	5	5
-10.0	30 *	22	16	12	9	7	6	5	5	5
-12.5	24 *	18	14	10	8	7	6	5	5	5
-15.0	19	15	11	9	7	6	6	5	5	4
-17.5	16	13	10	8	6	6	5	5	5	4
-20.0	13	10	8	7	6	5	5	5	4	4
-22.5	11	9	7	6	5	5	5	4	4	4
-25.0	10	8	7	6	5	5	4	4	4	4
-27.5	7	6	6	5	5	4	4	4	4	3
-30.0	5	5	4	4	4	4	4	4	3	3
-32.5	4	4	4	4	4	4	3	3	3	3
-35.0	4	4	4	4	4	3	3	3	3	3
-37.5	4	4	4	4	3	3	3	3	3	3
-40.0	4	4	3	3	3	3	3	3	3	3
-42.5	3	3	3	3	3	3	3	3	2	2
-45.0	3	3	3	3	3	3	3	2	2	2
-47.5	3	3	3	3	2	2	2	2	2	2
-50.0	3	2	2	2	2	2	2	2	2	2
-52.5	2	2	2	2	2	2	2	2	2	2
-55.0	2	2	2	2	2	2	2	2	1	1
-57.5	2	2	2	2	2	1	1	1	1	1
-60.0	2	2	1	1	1	1	1	1	1	1
-62.5	1	1	1	1	1	1	1	1	1	1
-65.0	1	1	1	1	1	1	1	1	1	1
-67.5	1	1	1	1	1	1	1	1	1	1
-70.0	1	1	1	1	1	1	0	0	0	0
-72.5	1	1	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_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	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
75.0	1	1	1	0	0	0	0	0	0	0
72.5	1	1	1	1	1	0	0	0	0	0
70.0	1	1	1	1	1	1	0	0	0	0
67.5	1	1	1	1	1	1	1	1	0	0
65.0	1	1	1	1	1	1	1	1	1	0
62.5	2	1	1	1	1	1	1	1	1	0
60.0	2	2	1	1	1	1	1	1	1	1
57.5	2	2	2	1	1	1	1	1	1	1
55.0	2	2	2	2	2	1	1	1	1	1
52.5	2	2	2	2	2	1	1	1	1	1
50.0	2	2	2	2	2	2	1	1	1	1
47.5	3	3	2	2	2	2	2	1	1	1
45.0	3	3	3	2	2	2	2	1	1	1
42.5	3	3	3	2	2	2	2	2	1	1
40.0	3	3	3	2	2	2	2	2	1	1
37.5	3	3	3	3	2	2	2	2	2	1
35.0	4	3	3	3	3	2	2	2	2	1
32.5	4	3	3	3	3	2	2	2	2	1
30.0	4	3	3	3	3	3	2	2	2	1
27.5	4	4	3	3	3	3	2	2	2	2
25.0	4	4	3	3	3	3	3	2	2	2
22.5	4	4	3	3	3	3	3	2	2	2
20.0	4	4	4	3	3	3	3	2	2	2
17.5	5	4	4	3	3	3	3	2	2	2
15.0	5	4	4	3	3	3	3	3	2	2
12.5	5	4	4	3	3	3	3	2	2	2
10.0	5	4	4	3	3	3	3	2	2	2
7.5	5	4	4	3	3	3	3	3	2	2
5.0	5	4	4	4	3	3	3	3	2	2
2.5	5	4	4	4	3	3	3	3	2	2
0.0	5	4	4	3	3	3	3	3	2	2
-2.5	5	4	4	4	3	3	3	3	2	2
-5.0	5	4	4	4	3	3	3	3	2	2
-7.5	4	4	4	3	3	3	3	2	2	2
-10.0	4	4	4	3	3	3	3	2	2	2
-12.5	4	4	4	3	3	3	3	2	2	2
-15.0	4	4	4	3	3	3	3	2	2	2
-17.5	4	4	3	3	3	3	2	2	2	2
-20.0	4	3	3	3	3	3	2	2	2	1
-22.5	4	3	3	3	3	2	2	2	2	1
-25.0	3	3	3	3	3	2	2	2	2	1
-27.5	3	3	3	3	3	2	2	2	2	1
-30.0	3	3	3	3	2	2	2	2	1	1
-32.5	3	3	3	2	2	2	2	2	1	1
-35.0	3	3	2	2	2	2	2	1	1	1
-37.5	3	2	2	2	2	2	2	1	1	1
-40.0	2	2	2	2	2	2	1	1	1	1

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

-42.5	2	2	2	2	2	1	1	1	1	1
-45.0	2	2	2	2	1	1	1	1	1	1
-47.5	2	2	2	1	1	1	1	1	1	1
-50.0	2	1	1	1	1	1	1	1	1	1
-52.5	1	1	1	1	1	1	1	1	1	0
-55.0	1	1	1	1	1	1	1	1	1	0
-57.5	1	1	1	1	1	1	1	0	0	0
-60.0	1	1	1	1	1	0	0	0	0	0
-62.5	1	1	1	1	0	0	0	0	0	0
-65.0	1	1	1	0	0	0	0	0	0	0
-67.5	1	0	0	0	0	0	0	0	0	0
-70.0	0	0	0	0	0	0	0	0	0	0
-72.5	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
57.5	1	0	0	0	0	0	0	0	0	0
55.0	1	1	0	0	0	0	0	0	0	0
52.5	1	1	0	0	0	0	0	0	0	0
50.0	1	1	0	0	0	0	0	0	0	0
47.5	1	1	1	0	0	0	0	0	0	0
45.0	1	1	1	0	0	0	0	0	0	0
42.5	1	1	1	0	0	0	0	0	0	0
40.0	1	1	1	0	0	0	0	0	0	0
37.5	1	1	1	1	0	0	0	0	0	0
35.0	1	1	1	1	0	0	0	0	0	0
32.5	1	1	1	1	0	0	0	0	0	0
30.0	1	1	1	1	0	0	0	0	0	0
27.5	1	1	1	1	1	0	0	0	0	0
25.0	1	1	1	1	1	0	0	0	0	0
22.5	1	1	1	1	1	0	0	0	0	0
20.0	1	1	1	1	1	0	0	0	0	0
17.5	2	1	1	1	1	0	0	0	0	0
15.0	2	1	1	1	1	0	0	0	0	0
12.5	2	1	1	1	1	0	0	0	0	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

10.0	2	1	1	1	1	0	0	0	0	0
7.5	2	1	1	1	1	0	0	0	0	0
5.0	2	1	1	1	1	0	0	0	0	0
2.5	2	1	1	1	1	0	0	0	0	0
0.0	2	1	1	1	1	0	0	0	0	0
-2.5	2	1	1	1	1	0	0	0	0	0
-5.0	2	1	1	1	1	0	0	0	0	0
-7.5	2	1	1	1	1	0	0	0	0	0
-10.0	1	1	1	1	1	0	0	0	0	0
-12.5	1	1	1	1	1	0	0	0	0	0
-15.0	1	1	1	1	1	0	0	0	0	0
-17.5	1	1	1	1	1	0	0	0	0	0
-20.0	1	1	1	1	0	0	0	0	0	0
-22.5	1	1	1	1	0	0	0	0	0	0
-25.0	1	1	1	1	0	0	0	0	0	0
-27.5	1	1	1	1	0	0	0	0	0	0
-30.0	1	1	1	1	0	0	0	0	0	0
-32.5	1	1	1	1	0	0	0	0	0	0
-35.0	1	1	1	0	0	0	0	0	0	0
-37.5	1	1	1	0	0	0	0	0	0	0
-40.0	1	1	0	0	0	0	0	0	0	0
-42.5	1	1	0	0	0	0	0	0	0	0
-45.0	1	1	0	0	0	0	0	0	0	0
-47.5	1	0	0	0	0	0	0	0	0	0
-50.0	0	0	0	0	0	0	0	0	0	0
-52.5	0	0	0	0	0	0	0	0	0	0
-55.0	0	0	0	0	0	0	0	0	0	0
-57.5	0	0	0	0	0	0	0	0	0	0
-60.0	0	0	0	0	0	0	0	0	0	0
-62.5	0	0	0	0	0	0	0	0	0	0
-65.0	0	0	0	0	0	0	0	0	0	0
-67.5	0	0	0	0	0	0	0	0	0	0
-70.0	0	0	0	0	0	0	0	0	0	0
-72.5	0	0	0	0	0	0	0	0	0	0
-75.0	0	0	0	0	0	0	0	0	0	0
-77.5	0	0	0	0	0	0	0	0	0	0
-80.0	0	0	0	0	0	0	0	0	0	0
-82.5	0	0	0	0	0	0	0	0	0	0
-85.0	0	0	0	0	0	0	0	0	0	0
-87.5	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles		
	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
90.0	0	0	0
87.5	0	0	0
85.0	0	0	0
82.5	0	0	0
80.0	0	0	0
77.5	0	0	0
75.0	0	0	0
72.5	0	0	0
70.0	0	0	0
67.5	0	0	0
65.0	0	0	0

IES FLOOD REPORT
 PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

62.5	0	0	0
60.0	0	0	0
57.5	0	0	0
55.0	0	0	0
52.5	0	0	0
50.0	0	0	0
47.5	0	0	0
45.0	0	0	0
42.5	0	0	0
40.0	0	0	0
37.5	0	0	0
35.0	0	0	0
32.5	0	0	0
30.0	0	0	0
27.5	0	0	0
25.0	0	0	0
22.5	0	0	0
20.0	0	0	0
17.5	0	0	0
15.0	0	0	0
12.5	0	0	0
10.0	0	0	0
7.5	0	0	0
5.0	0	0	0
2.5	0	0	0
0.0	0	0	0
-2.5	0	0	0
-5.0	0	0	0
-7.5	0	0	0
-10.0	0	0	0
-12.5	0	0	0
-15.0	0	0	0
-17.5	0	0	0
-20.0	0	0	0
-22.5	0	0	0
-25.0	0	0	0
-27.5	0	0	0
-30.0	0	0	0
-32.5	0	0	0
-35.0	0	0	0
-37.5	0	0	0
-40.0	0	0	0
-42.5	0	0	0
-45.0	0	0	0
-47.5	0	0	0
-50.0	0	0	0
-52.5	0	0	0
-55.0	0	0	0
-57.5	0	0	0
-60.0	0	0	0
-62.5	0	0	0
-65.0	0	0	0
-67.5	0	0	0
-70.0	0	0	0
-72.5	0	0	0
-75.0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-77.5	0	0	0
-80.0	0	0	0
-82.5	0	0	0
-85.0	0	0	0
-87.5	0	0	0
-90.0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 37.70

Total Field Lumens (one side of beam only) = 28.75

* 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	0.00	0.00	0.00	0.00
62.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
60	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
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	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
40	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
37.5	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
35	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02
32.5	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

30										
	0.05 *	0.05 *	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.02
27.5										
	0.09 *	0.09 *	0.08 *	0.08	0.07	0.06	0.06	0.05	0.04	0.03
25										
	0.12 *	0.12 *	0.11 *	0.11 *	0.10	0.09	0.08	0.07	0.05	0.04
22.5										
	0.16 *	0.15 *	0.14 *	0.13 *	0.12 *	0.11	0.10	0.08	0.07	0.05
20										
	0.19 *	0.19 *	0.18 *	0.16 *	0.15 *	0.13	0.12	0.10	0.08	0.06
17.5										
	0.23 *	0.23 *	0.21 *	0.19 *	0.18 *	0.16 *	0.14	0.11	0.09	0.07
15										
	0.26 *	0.25 *	0.23 *	0.21 *	0.19 *	0.17 *	0.15	0.13	0.10	0.08
12.5										
	0.26 *	0.26 *	0.24 *	0.22 *	0.20 *	0.18 *	0.16	0.14	0.11	0.08
10										
	0.28 *	0.27 *	0.25 *	0.23 *	0.21 *	0.19 *	0.17	0.14	0.12	0.09
7.5										
	0.30 *	0.29 *	0.27 *	0.25 *	0.22 *	0.20 *	0.17 *	0.15	0.12	0.09
5										
	0.32 *	0.31 *	0.29 *	0.26 *	0.23 *	0.21 *	0.18 *	0.15	0.12	0.09
2.5										
	0.32 *	0.31 *	0.29 *	0.27 *	0.24 *	0.22 *	0.19 *	0.16	0.13	0.10
0										
	0.31 *	0.30 *	0.28 *	0.26 *	0.23 *	0.21 *	0.18	0.15	0.13	0.10
-2.5										
	0.27 *	0.27 *	0.25 *	0.23 *	0.20 *	0.18 *	0.16	0.13	0.11	0.08
-5										
	0.23 *	0.23 *	0.21 *	0.19 *	0.17 *	0.15 *	0.13	0.11	0.09	0.07
-7.5										
	0.18 *	0.18 *	0.17 *	0.16 *	0.14 *	0.13	0.11	0.09	0.08	0.06
-10										
	0.14 *	0.14 *	0.13 *	0.12 *	0.11 *	0.10	0.09	0.07	0.06	0.05
-12.5										
	0.10 *	0.10 *	0.10 *	0.09 *	0.08	0.07	0.06	0.05	0.04	0.04
-15										
	0.08 *	0.08 *	0.07 *	0.07	0.06	0.06	0.05	0.04	0.03	0.03
-17.5										
	0.06 *	0.06 *	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.02
-20										
	0.05 *	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.02
-22.5										
	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02
-25										
	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01
-27.5										
	0.02	0.02	0.02	0.02	0.02	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

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_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	0.00	0.00
-50	0.01	0.01	0.01	0.01	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
-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	4.42	4.31	4.09	3.78	3.44	3.09	2.72	2.33	1.93	1.54

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 : CEL-2W_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										
	0.00	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
55										
	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5										
	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
47.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
45										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
42.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
40										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
37.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
35										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
32.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
30										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
27.5										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
25										
	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22.5										
	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
20										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
17.5										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
15										
	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
12.5										
	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
10										
	0.06	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

7.5										
	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
5										
	0.07	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
2.5										
	0.07	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
0										
	0.07	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-2.5										
	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-5										
	0.05	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-7.5										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-10										
	0.04	0.03	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
-15										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-17.5										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-20										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-22.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-25										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-27.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-30										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-32.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-35										
	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-37.5										
	0.01	0.01	0.01	0.01	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										
	0.00	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

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-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
-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	1.18	0.89	0.67	0.53	0.43	0.35	0.30	0.26	0.23	0.21

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 : CEL-2W_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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-12.5	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 : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40	0.00	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 : CEL-2W_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	0.18	0.16	0.13	0.11	0.09	0.08	0.06	0.05	0.04	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	0.00
82.5	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	0.02
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	0.06
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

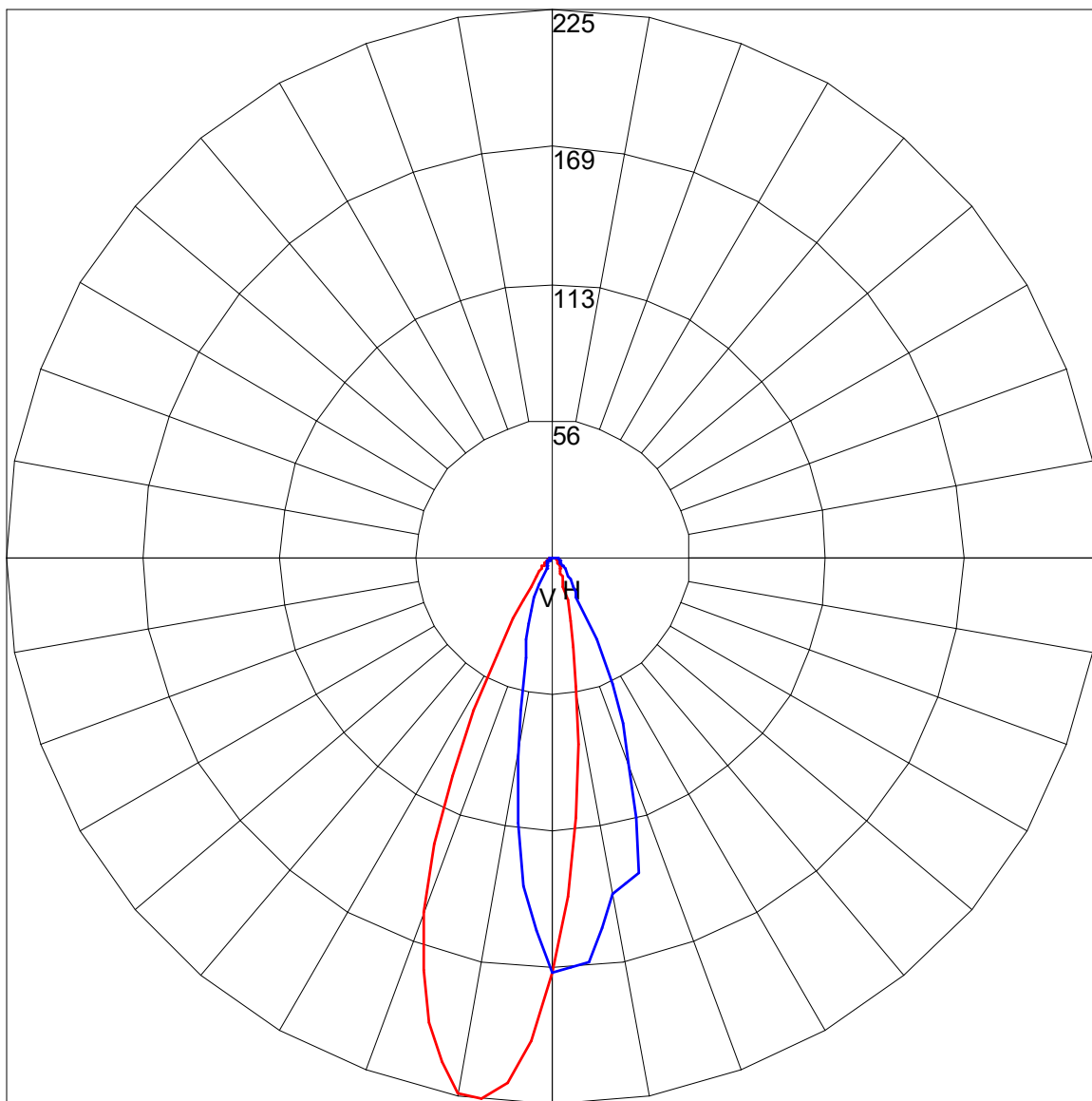
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.37
30	0.00	0.00	0.00	0.00	0.00	0.00	0.52
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.78
25	0.00	0.00	0.00	0.00	0.00	0.00	1.04
22.5	0.00	0.00	0.00	0.00	0.00	0.00	1.29
20	0.00	0.00	0.00	0.00	0.00	0.00	1.55
17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.81
15	0.00	0.00	0.00	0.00	0.00	0.00	1.99
12.5	0.00	0.00	0.00	0.00	0.00	0.00	2.09
10	0.00	0.00	0.00	0.00	0.00	0.00	2.19
7.5	0.00	0.00	0.00	0.00	0.00	0.00	2.30
5	0.00	0.00	0.00	0.00	0.00	0.00	2.40
2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.50
0	0.00	0.00	0.00	0.00	0.00	0.00	2.40
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.10
-5	0.00	0.00	0.00	0.00	0.00	0.00	1.80
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.49
-10	0.00	0.00	0.00	0.00	0.00	0.00	1.19
-12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.89
-15	0.00	0.00	0.00	0.00	0.00	0.00	0.69
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.60
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.50
-22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.41
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.32
-27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.23
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.17
-32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.16
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.15

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEL-2W_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

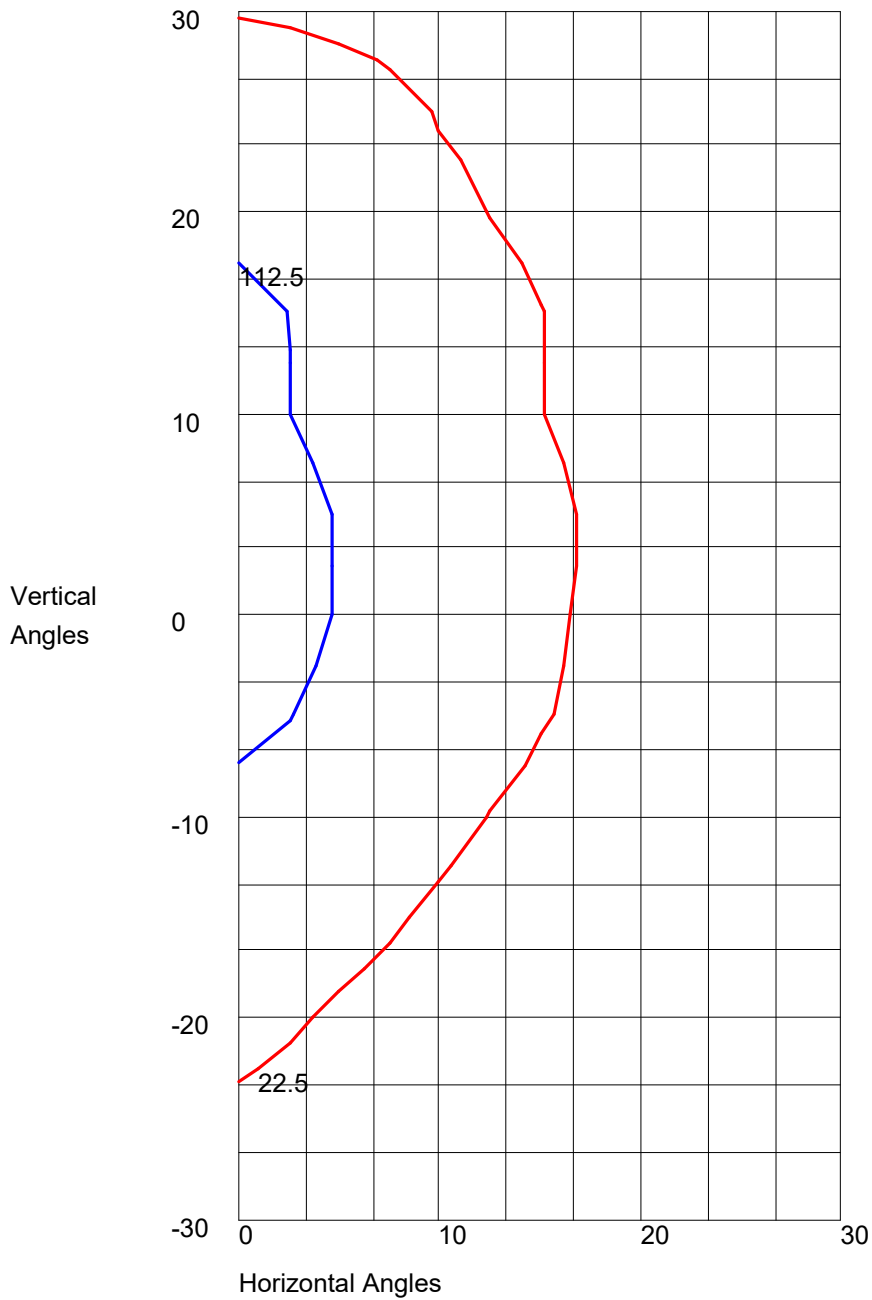
-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.14
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.13
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.12
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.11
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.10
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.09
-52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.09
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.07
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.06
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.05
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.04
-67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.03
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.03
-72.5	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	0.01
-77.5	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
-82.5	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
-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	0.02	0.01	0.01	0.01	0.00	0.00	37.70

AXIAL CANDELA DISPLAY



Maximum Candela = 225 Located At Horizontal Angle = -7.5, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 225 Located At Horizontal Angle = -7.5, Vertical Angle = 0
50% Maximum Candela = 112.5
10% Maximum Candela = 22.5