



IES FLOOD REPORT

PHOTOMETRIC FILENAME : CEC_SINGLE_LAMP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 2016082201

[TESTLAB]

[TESTDATE] 2016-08-22

[ISSUEDATE] 6/17/2020

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] CEC_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	248
Maximum Candela Angle	-7.5H 0V
Horizontal Beam Angle (50%)	27.3
Vertical Beam Angle (50%)	27.9
Horizontal Field Angle (10%)	48.3
Vertical Field Angle (10%)	51.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	32
Beam Efficiency	N.A.
Field Lumens	57
Field Efficiency	N.A.
Spill Lumens	17
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	0
75	0	75	1
72.5	0	72.5	1
70	1	70	1
67.5	1	67.5	2
65	2	65	2
62.5	2	62.5	2
60	2	60	2
57.5	2	57.5	3
55	2	55	4
52.5	2	52.5	4
50	3	50	4
47.5	3	47.5	4
45	4	45	4
42.5	4	42.5	5
40	4	40	6
37.5	4	37.5	6
35	4	35	6
32.5	5	32.5	6
30	6	30	7
27.5	6	27.5	12
25	8	25	16
22.5	12	22.5	21
20	18	20	26
17.5	26	17.5	44
15	38	15	63
12.5	60	12.5	82
10	88	10	100
7.5	120	7.5	129
5	155	5	158
2.5	188	2.5	186
0	216	0	216
-2.5	236	-2.5	208
-5	248	-5	202
-7.5	248	-7.5	194
-10	236	-10	188
-12.5	218	-12.5	164
-15	192	-15	140
-17.5	160	-17.5	116
-20	125	-20	92
-22.5	92	-22.5	73
-25	64	-25	54
-27.5	42	-27.5	36
-30	26	-30	16
-32.5	18	-32.5	14
-35	13	-35	11
-37.5	9	-37.5	8
-40	7	-40	6
-42.5	6	-42.5	5

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AXIAL CANDELA - (Cont.)

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

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CANDELA TABULATION

Maximum Candela = 248

Beam Edge = 124 Cd (50% of Max.)

Field Edge = 24.8 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	0	0	0
75.0	0	0	0	0	0	0	0	1	1	1
72.5	0	0	0	0	0	1	1	1	1	1
70.0	0	0	0	0	1	1	1	1	1	1
67.5	0	0	0	0	1	1	1	1	1	1
65.0	0	0	0	0	1	1	1	1	1	1
62.5	0	0	0	0	1	1	1	1	1	1
60.0	0	0	0	0	1	1	1	1	1	2
57.5	0	0	0	0	1	1	1	1	2	2
55.0	0	0	0	0	1	1	1	1	2	2
52.5	0	0	0	0	1	1	1	1	2	2
50.0	0	0	0	1	1	1	1	2	2	2
47.5	0	0	0	1	1	1	1	2	2	2
45.0	0	0	0	1	1	1	1	2	2	2
42.5	0	0	0	1	1	1	1	2	2	2
40.0	0	0	0	1	1	1	2	2	2	2
37.5	0	0	0	1	1	1	2	2	2	2
35.0	0	0	0	1	1	1	2	2	2	2
32.5	0	0	0	1	1	1	2	2	2	2
30.0	0	0	0	1	1	1	2	2	2	2
27.5	0	0	0	1	1	1	2	2	2	2
25.0	0	0	0	1	1	1	2	2	2	2
22.5	0	0	0	1	1	1	2	2	2	2
20.0	0	0	0	1	1	1	2	2	2	2
17.5	0	0	0	1	1	1	2	2	2	2
15.0	0	0	0	1	1	1	2	2	2	2
12.5	0	0	0	1	1	2	2	2	2	2
10.0	0	0	1	1	1	2	2	2	2	2
7.5	0	0	0	1	1	2	2	2	2	2
5.0	0	0	0	1	1	2	2	2	2	2
2.5	0	0	0	1	1	2	2	2	2	2
0.0	0	0	0	1	1	1	2	2	2	2
-2.5	0	0	0	1	1	1	2	2	2	2
-5.0	0	0	0	1	1	1	2	2	2	2
-7.5	0	0	0	1	1	2	2	2	2	2
-10.0	0	0	0	1	1	2	2	2	2	2
-12.5	0	0	0	1	1	1	2	2	2	2
-15.0	0	0	0	1	1	1	2	2	2	2
-17.5	0	0	0	1	1	1	2	2	2	2
-20.0	0	0	0	1	1	1	2	2	2	2
-22.5	0	0	0	1	1	1	2	2	2	2
-25.0	0	0	0	1	1	1	2	2	2	2
-27.5	0	0	0	1	1	1	2	2	2	2
-30.0	0	0	0	1	1	1	2	2	2	2

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CANDELA TABULATION - (Cont.)

-32.5	0	0	0	1	1	1	1	2	2	2
-35.0	0	0	0	0	1	1	1	2	2	2
-37.5	0	0	0	0	1	1	1	1	2	2
-40.0	0	0	0	0	1	1	1	1	2	2
-42.5	0	0	0	0	1	1	1	1	2	2
-45.0	0	0	0	0	1	1	1	1	2	2
-47.5	0	0	0	0	1	1	1	1	1	2
-50.0	0	0	0	0	0	1	1	1	1	2
-52.5	0	0	0	0	0	1	1	1	1	1
-55.0	0	0	0	0	0	0	1	1	1	1
-57.5	0	0	0	0	0	0	1	1	1	1
-60.0	0	0	0	0	0	0	0	1	1	1
-62.5	0	0	0	0	0	0	0	0	1	1
-65.0	0	0	0	0	0	0	0	0	0	1
-67.5	0	0	0	0	0	0	0	0	0	1
-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>-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	0	0	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
72.5	1	1	1	1	1	1	1	1	1	1
70.0	1	1	1	1	1	1	2	2	2	2
67.5	1	1	1	2	2	2	2	2	2	2
65.0	1	2	2	2	2	2	2	2	2	2
62.5	2	2	2	2	2	2	2	2	2	2
60.0	2	2	2	2	2	2	2	2	2	2
57.5	2	2	2	2	2	2	2	2	2	2
55.0	2	2	2	2	2	2	2	2	2	2
52.5	2	2	2	2	2	2	2	2	2	2
50.0	2	2	2	2	2	2	2	2	2	2
47.5	2	2	2	2	2	2	2	2	2	3
45.0	2	2	2	2	2	2	2	2	2	3
42.5	2	2	2	2	2	2	2	2	3	3
40.0	2	2	2	2	2	2	2	3	3	3
37.5	2	2	2	2	2	3	3	3	3	4
35.0	2	2	2	2	2	3	3	3	3	4
32.5	2	2	2	2	3	3	3	3	4	4
30.0	2	2	2	3	3	3	3	4	4	4
27.5	2	2	2	3	3	3	4	4	4	4
25.0	2	2	2	3	3	3	4	4	4	4
22.5	2	2	2	3	3	3	4	4	4	4

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CANDELA TABULATION - (Cont.)

20.0	2	2	2	3	3	4	4	4	4	4
17.5	2	2	2	3	3	4	4	4	4	5
15.0	2	2	2	3	3	4	4	4	4	5
12.5	2	2	3	3	4	4	4	4	4	5
10.0	2	2	3	3	4	4	4	4	5	6
7.5	2	2	3	3	4	4	4	4	5	6
5.0	2	2	3	3	4	4	4	4	5	6
2.5	2	2	3	3	4	4	4	4	5	6
0.0	2	2	3	3	4	4	4	4	5	6
-2.5	2	2	3	3	4	4	4	4	5	6
-5.0	2	2	3	3	4	4	4	4	5	6
-7.5	2	2	2	3	4	4	4	4	5	6
-10.0	2	2	2	3	4	4	4	4	5	6
-12.5	2	2	2	3	4	4	4	4	5	6
-15.0	2	2	2	3	3	4	4	4	4	6
-17.5	2	2	2	3	3	4	4	4	4	5
-20.0	2	2	2	2	3	4	4	4	4	5
-22.5	2	2	2	2	3	4	4	4	4	4
-25.0	2	2	2	2	3	3	4	4	4	4
-27.5	2	2	2	2	2	3	4	4	4	4
-30.0	2	2	2	2	2	3	3	4	4	4
-32.5	2	2	2	2	2	2	3	4	4	4
-35.0	2	2	2	2	2	2	3	3	4	4
-37.5	2	2	2	2	2	2	2	3	3	4
-40.0	2	2	2	2	2	2	2	2	3	3
-42.5	2	2	2	2	2	2	2	2	2	3
-45.0	2	2	2	2	2	2	2	2	2	2
-47.5	2	2	2	2	2	2	2	2	2	2
-50.0	2	2	2	2	2	2	2	2	2	2
-52.5	2	2	2	2	2	2	2	2	2	2
-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	1	2	2	2	2	2	2
-62.5	1	1	1	1	1	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	2
-70.0	1	1	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	0	0	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	1	1	1	1	1	1	1	1	1	1

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CANDELA TABULATION - (Cont.)

72.5	1	1	1	1	1	1	1	1	1	1
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	2	2	2	2	2	2	2	2	2	2
62.5	2	2	2	2	2	2	2	2	2	2
60.0	2	2	2	2	2	2	2	2	2	2
57.5	2	2	2	2	2	2	3	3	3	3
55.0	2	2	2	3	3	3	3	3	4	4
52.5	2	3	3	3	3	4	4	4	4	4
50.0	3	3	3	4	4	4	4	4	4	4
47.5	3	3	3	4	4	4	4	4	4	4
45.0	3	3	4	4	4	4	4	4	4	4
42.5	3	4	4	4	4	4	4	4	4	4
40.0	4	4	4	4	4	4	4	4	4	5
37.5	4	4	4	4	4	4	4	5	5	6
35.0	4	4	4	4	4	4	5	5	6	6
32.5	4	4	4	4	4	5	5	6	6	6
30.0	4	4	4	4	4	5	6	6	6	6
27.5	4	4	4	5	6	6	7	8	9	10
25.0	4	4	5	6	6	8	8	10	12	13
22.5	4	5	5	6	6	8	10	12	14	16
20.0	4	5	6	6	8	10	12	14	17	20
17.5	5	6	6	8	10	13	16	22	27 *	34 *
15.0	6	6	7	10	12	16	22	28 *	36 *	46 *
12.5	6	6	8	11	15	20	26 *	34 *	46 *	60 *
10.0	6	7	9	12	18	23	30 *	41 *	56 *	74 *
7.5	6	8	10	14	20	28 *	39 *	54 *	73 *	96 *
5.0	6	8	11	16	22	32 *	48 *	66 *	90 *	117 *
2.5	6	8	12	17	24	37 *	56 *	80 *	108 *	139 *
0.0	7	9	13	18	26 *	42 *	64 *	92 *	125 *	160 *
-2.5	6	8	12	18	26 *	41 *	64 *	90 *	122 *	157 *
-5.0	6	8	12	18	26 *	40 *	63 *	89 *	120 *	153 *
-7.5	6	8	12	17	25 *	40 *	62 *	88 *	118 *	149 *
-10.0	6	8	12	17	24	39 *	62 *	86 *	116 *	145 *
-12.5	6	8	10	15	22	34 *	53 *	74 *	100 *	126 *
-15.0	6	8	10	14	19	28 *	44 *	62 *	84 *	106 *
-17.5	6	7	8	12	16	24	36 *	50 *	68 *	88 *
-20.0	6	6	8	10	14	18	26 *	38 *	52 *	68 *
-22.5	5	6	7	9	12	16	22	31 *	42 *	54 *
-25.0	5	6	6	8	10	13	18	24	32 *	41 *
-27.5	4	5	6	7	8	10	13	17	22	28 *
-30.0	4	5	5	6	6	8	8	10	12	14
-32.5	4	4	5	6	6	6	8	8	10	12
-35.0	4	4	4	5	6	6	6	8	8	10
-37.5	4	4	4	4	4	5	6	6	6	8
-40.0	4	4	4	4	4	4	4	4	5	5
-42.5	3	4	4	4	4	4	4	4	4	4
-45.0	3	3	3	4	4	4	4	4	4	4
-47.5	2	3	3	3	3	4	4	4	4	4
-50.0	2	2	2	3	3	3	3	3	3	4
-52.5	2	2	2	2	2	3	3	3	3	3
-55.0	2	2	2	2	2	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	2
-65.0	2	2	2	2	2	2	2	2	2	2

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CANDELA TABULATION - (Cont.)

-67.5	2	2	2	2	2	2	2	2	2	2
-70.0	1	1	2	2	2	2	2	2	2	2
-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	1	1	1	1	1	1	1	1	1	1
-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	0	0	0	0	0	0	0
75.0	1	1	1	1	1	1	1	1	1	1
72.5	1	1	1	1	1	1	1	1	1	1
70.0	2	2	2	2	2	2	1	1	1	1
67.5	2	2	2	2	2	2	2	2	2	2
65.0	2	2	2	2	2	2	2	2	2	2
62.5	2	2	2	2	2	2	2	2	2	2
60.0	2	2	2	2	2	2	2	2	2	2
57.5	3	3	3	3	3	3	3	3	3	3
55.0	4	4	4	4	4	4	4	4	3	3
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	4	4	4	4
42.5	5	5	5	5	5	5	5	5	5	4
40.0	5	5	6	6	6	6	6	6	5	5
37.5	6	6	6	6	6	6	6	6	6	6
35.0	6	6	6	6	6	6	6	6	6	6
32.5	6	6	7	7	7	6	6	6	6	6
30.0	7	7	8	8	8	7	7	6	6	6
27.5	11	12	12	12	12	12	12	10	10	9
25.0	15	16	18	18	18	18	16	15	14	12
22.5	19	21	22	24	24	22	21	19	17	14
20.0	23	26 *	28 *	29 *	28 *	28 *	26 *	23	21	18
17.5	40 *	45 *	49 *	52 *	51 *	49 *	44 *	38 *	32 *	26 *
15.0	56 *	64 *	70 *	74 *	74 *	70 *	63 *	54 *	44 *	35 *
12.5	72 *	84 *	92 *	97 *	96 *	91 *	82 *	70 *	56 *	44 *
10.0	88 *	102 *	114 *	120 *	118 *	112 *	100 *	85 *	68 *	52 *
7.5	114 *	132 *	144 *	152 *	150 *	143 *	129 *	110 *	89 *	70 *
5.0	140 *	160 *	175 *	184 *	182 *	174 *	158 *	136 *	111 *	86 *
2.5	166 *	190 *	206 *	216 *	215 *	205 *	186 *	162 *	133 *	103 *
0.0	192 *	218 *	236 *	248 *	248 *	236 *	216 *	188 *	155 *	120 *
-2.5	186 *	210 *	226 *	236 *	236 *	226 *	208 *	184 *	153 *	120 *
-5.0	180 *	200 *	216 *	224 *	225 *	218 *	202 *	180 *	151 *	119 *
-7.5	173 *	192 *	205 *	213 *	214 *	208 *	194 *	176 *	150 *	118 *
-10.0	167 *	182 *	194 *	201 *	203 *	199 *	188 *	172 *	148 *	118 *
-12.5	146 *	160 *	172 *	178 *	179 *	174 *	164 *	149 *	127 *	101 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

-15.0	124 *	138 *	149 *	154 *	155 *	150 *	140 *	126 *	107 *	84 *
-17.5	103 *	116 *	126 *	131 *	132 *	126 *	116 *	104 *	86 *	66 *
-20.0	82 *	94 *	103 *	108 *	108 *	102 *	92 *	81 *	66 *	49 *
-22.5	65 *	75 *	82 *	86 *	86 *	80 *	73 *	64 *	53 *	40 *
-25.0	48 *	56 *	62 *	64 *	64 *	60 *	54 *	48 *	40 *	30 *
-27.5	32 *	37 *	40 *	42 *	42 *	39 *	36 *	32 *	26 *	20
-30.0	16	18	20	20	20	18	16	15	13	12
-32.5	14	15	16	16	16	15	14	12	11	10
-35.0	10	12	13	13	12	12	11	10	9	8
-37.5	8	8	9	10	9	8	8	8	7	6
-40.0	6	6	6	6	6	6	6	5	5	4
-42.5	5	5	5	5	5	5	5	4	4	4
-45.0	4	4	4	4	4	4	4	4	4	4
-47.5	4	4	4	4	4	4	4	4	4	3
-50.0	4	4	4	4	4	4	3	3	3	3
-52.5	3	3	3	3	3	3	3	3	3	2
-55.0	2	2	2	2	2	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	2
-65.0	2	2	2	2	2	2	2	2	2	2
-67.5	2	2	2	2	2	2	2	2	2	2
-70.0	2	2	2	2	2	2	2	2	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	1	1	1	1	1	1	1	1	1	1
-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	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
72.5	1	1	1	1	0	0	0	0	0	0
70.0	1	1	1	1	1	1	1	0	0	0
67.5	2	2	2	1	1	1	1	1	1	1
65.0	2	2	2	2	2	2	2	1	1	1
62.5	2	2	2	2	2	2	2	2	2	2
60.0	2	2	2	2	2	2	2	2	2	2
57.5	2	2	2	2	2	2	2	2	2	2
55.0	3	3	3	2	2	2	2	2	2	2
52.5	4	3	3	3	3	2	2	2	2	2
50.0	4	4	4	3	3	3	3	2	2	2
47.5	4	4	4	4	4	3	3	3	2	2
45.0	4	4	4	4	4	4	4	3	3	3
42.5	4	4	4	4	4	4	4	4	3	3
40.0	5	4	4	4	4	4	4	4	4	4

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CANDELA TABULATION - (Cont.)

37.5	5	5	5	4	4	4	4	4	4	4
35.0	6	5	5	5	4	4	4	4	4	4
32.5	6	6	5	5	5	4	4	4	4	4
30.0	6	6	6	6	5	5	4	4	4	4
27.5	8	7	6	6	6	5	4	4	4	4
25.0	10	8	7	6	6	5	5	4	4	4
22.5	12	10	8	7	6	6	5	4	4	4
20.0	14	12	9	8	6	6	5	5	4	4
17.5	20	16	12	10	8	6	6	5	4	4
15.0	27 *	21	16	12	9	7	6	5	4	4
12.5	34 *	26 *	19	14	10	8	6	6	4	4
10.0	40 *	30 *	22	16	12	8	6	6	5	4
7.5	52 *	38 *	26 *	18	13	9	7	6	5	4
5.0	64 *	45 *	30 *	21	14	10	8	6	5	4
2.5	76 *	52 *	34 *	24	16	11	8	6	5	5
0.0	88 *	60 *	38 *	26 *	18	12	8	6	6	5
-2.5	89 *	60 *	38 *	26 *	18	12	8	6	6	5
-5.0	89 *	61 *	38 *	26 *	17	12	8	6	6	5
-7.5	89 *	61 *	38 *	25 *	17	12	8	6	6	4
-10.0	90 *	62 *	38 *	25 *	17	12	8	6	5	4
-12.5	76 *	52 *	33 *	22	15	10	8	6	5	4
-15.0	62 *	42 *	28 *	18	13	10	7	6	5	4
-17.5	48 *	34 *	22	16	11	8	6	6	4	4
-20.0	34 *	24	17	12	10	7	6	5	4	4
-22.5	28 *	20	14	11	8	6	6	4	4	4
-25.0	22	16	12	9	7	6	5	4	4	4
-27.5	16	12	10	8	6	5	4	4	4	4
-30.0	10	8	7	6	5	4	4	4	4	3
-32.5	8	7	6	5	4	4	4	4	3	3
-35.0	7	6	5	4	4	4	4	3	3	3
-37.5	6	5	4	4	4	4	3	3	3	2
-40.0	4	4	4	4	3	3	3	2	2	2
-42.5	4	4	4	3	3	3	2	2	2	2
-45.0	4	3	3	3	2	2	2	2	2	2
-47.5	3	3	2	2	2	2	2	2	2	2
-50.0	2	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	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	2	1	1	1	1
-67.5	2	2	2	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	0	0
-75.0	1	1	1	1	1	0	0	0	0	0
-77.5	1	1	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

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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	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	1	0	0	0	0	0	0	0	0	0
65.0	1	1	1	1	0	0	0	0	0	0
62.5	1	1	1	1	1	0	0	0	0	0
60.0	2	2	1	1	1	1	1	0	0	0
57.5	2	2	2	1	1	1	1	1	0	0
55.0	2	2	2	2	1	1	1	1	1	0
52.5	2	2	2	2	2	1	1	1	1	0
50.0	2	2	2	2	2	2	1	1	1	1
47.5	2	2	2	2	2	2	2	1	1	1
45.0	2	2	2	2	2	2	2	2	1	1
42.5	3	2	2	2	2	2	2	2	1	1
40.0	3	2	2	2	2	2	2	2	2	1
37.5	3	3	2	2	2	2	2	2	2	1
35.0	3	3	3	2	2	2	2	2	2	2
32.5	4	3	3	2	2	2	2	2	2	2
30.0	4	4	3	3	2	2	2	2	2	2
27.5	4	4	3	3	2	2	2	2	2	2
25.0	4	4	3	3	3	2	2	2	2	2
22.5	4	4	4	3	3	2	2	2	2	2
20.0	4	4	4	4	3	3	2	2	2	2
17.5	4	4	4	4	3	3	2	2	2	2
15.0	4	4	4	4	3	3	2	2	2	2
12.5	4	4	4	4	3	3	2	2	2	2
10.0	4	4	4	4	3	3	2	2	2	2
7.5	4	4	4	4	3	3	2	2	2	2
5.0	4	4	4	4	3	3	3	2	2	2
2.5	4	4	4	4	3	3	3	2	2	2
0.0	4	4	4	4	4	3	3	2	2	2
-2.5	4	4	4	4	3	3	3	2	2	2
-5.0	4	4	4	4	3	3	3	2	2	2
-7.5	4	4	4	4	3	3	2	2	2	2
-10.0	4	4	4	3	3	3	2	2	2	2
-12.5	4	4	4	3	3	3	2	2	2	2
-15.0	4	4	4	3	3	3	2	2	2	2
-17.5	4	4	4	3	3	3	2	2	2	2
-20.0	4	4	3	3	3	2	2	2	2	2
-22.5	4	4	3	3	3	2	2	2	2	2
-25.0	4	3	3	3	2	2	2	2	2	2
-27.5	3	3	3	2	2	2	2	2	2	2
-30.0	3	3	2	2	2	2	2	2	2	2
-32.5	3	2	2	2	2	2	2	2	2	2
-35.0	2	2	2	2	2	2	2	2	2	2
-37.5	2	2	2	2	2	2	2	2	2	2
-40.0	2	2	2	2	2	2	2	2	2	1

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CANDELA TABULATION - (Cont.)

-42.5	2	2	2	2	2	2	2	2	2	1
-45.0	2	2	2	2	2	2	2	2	1	1
-47.5	2	2	2	2	2	2	2	1	1	1
-50.0	2	2	2	2	2	2	1	1	1	1
-52.5	2	2	2	2	2	1	1	1	1	1
-55.0	2	2	2	2	1	1	1	1	1	0
-57.5	2	2	1	1	1	1	1	1	1	0
-60.0	2	1	1	1	1	1	1	1	0	0
-62.5	1	1	1	1	1	1	0	0	0	0
-65.0	1	1	1	1	0	0	0	0	0	0
-67.5	1	1	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	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0
45.0	1	0	0	0	0	0	0	0	0	0
42.5	1	1	0	0	0	0	0	0	0	0
40.0	1	1	0	0	0	0	0	0	0	0
37.5	1	1	1	0	0	0	0	0	0	0
35.0	1	1	1	0	0	0	0	0	0	0
32.5	1	1	1	0	0	0	0	0	0	0
30.0	1	1	1	0	0	0	0	0	0	0
27.5	2	1	1	0	0	0	0	0	0	0
25.0	2	1	1	1	0	0	0	0	0	0
22.5	2	1	1	1	0	0	0	0	0	0
20.0	2	2	1	1	0	0	0	0	0	0
17.5	2	2	1	1	0	0	0	0	0	0
15.0	2	2	1	1	0	0	0	0	0	0
12.5	2	2	1	1	0	0	0	0	0	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

10.0	2	2	1	1	0	0	0	0	0	0
7.5	2	2	1	1	1	0	0	0	0	0
5.0	2	2	1	1	1	0	0	0	0	0
2.5	2	2	1	1	1	0	0	0	0	0
0.0	2	2	2	1	1	0	0	0	0	0
-2.5	2	2	1	1	1	0	0	0	0	0
-5.0	2	2	1	1	1	0	0	0	0	0
-7.5	2	2	1	1	1	0	0	0	0	0
-10.0	2	2	1	1	1	0	0	0	0	0
-12.5	2	2	1	1	1	0	0	0	0	0
-15.0	2	2	1	1	1	0	0	0	0	0
-17.5	2	2	1	1	1	0	0	0	0	0
-20.0	2	2	1	1	1	0	0	0	0	0
-22.5	2	2	1	1	0	0	0	0	0	0
-25.0	2	1	1	1	0	0	0	0	0	0
-27.5	2	1	1	1	0	0	0	0	0	0
-30.0	2	1	1	1	0	0	0	0	0	0
-32.5	2	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	1	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
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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 : CEC_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 : CEC_SINGLE_LAMP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 37.35

Total Field Lumens (one side of beam only) = 28.74

* 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	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	0.01	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	0.01	0.00
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	0.01	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

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEC_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

30										
	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
27.5										
	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
25										
	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01
22.5										
	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02
20										
	0.07 *	0.06 *	0.06	0.06	0.05	0.04	0.04	0.03	0.02	0.02
17.5										
	0.10 *	0.10 *	0.09 *	0.08 *	0.07	0.06	0.05	0.04	0.03	0.02
15										
	0.14 *	0.13 *	0.12 *	0.11 *	0.10 *	0.08	0.07	0.05	0.04	0.03
12.5										
	0.17 *	0.17 *	0.15 *	0.14 *	0.12 *	0.10	0.08	0.06	0.05	0.03
10										
	0.22 *	0.21 *	0.19 *	0.17 *	0.15 *	0.13 *	0.10	0.08	0.06	0.04
7.5										
	0.27 *	0.26 *	0.24 *	0.22 *	0.19 *	0.16 *	0.13	0.10	0.07	0.05
5										
	0.32 *	0.31 *	0.29 *	0.26 *	0.23 *	0.19 *	0.15 *	0.12	0.09	0.06
2.5										
	0.38 *	0.37 *	0.34 *	0.30 *	0.26 *	0.22 *	0.18 *	0.14	0.10	0.07
0										
	0.40 *	0.39 *	0.36 *	0.32 *	0.28 *	0.23 *	0.19 *	0.15	0.11	0.08
-2.5										
	0.39 *	0.37 *	0.35 *	0.31 *	0.27 *	0.22 *	0.18 *	0.14	0.11	0.08
-5										
	0.37 *	0.36 *	0.33 *	0.30 *	0.26 *	0.22 *	0.18 *	0.14	0.10	0.07
-7.5										
	0.36 *	0.35 *	0.32 *	0.29 *	0.25 *	0.21 *	0.17 *	0.14	0.10	0.07
-10										
	0.33 *	0.32 *	0.30 *	0.27 *	0.23 *	0.19 *	0.16 *	0.13	0.10	0.07
-12.5										
	0.29 *	0.28 *	0.26 *	0.23 *	0.20 *	0.17 *	0.14 *	0.11	0.08	0.06
-15										
	0.24 *	0.23 *	0.22 *	0.19 *	0.17 *	0.14 *	0.12	0.09	0.07	0.05
-17.5										
	0.20 *	0.19 *	0.18 *	0.16 *	0.14 *	0.11	0.09	0.07	0.05	0.04
-20										
	0.16 *	0.15 *	0.14 *	0.12 *	0.11 *	0.09	0.07	0.06	0.04	0.03
-22.5										
	0.12 *	0.12 *	0.11 *	0.10 *	0.08	0.07	0.06	0.05	0.03	0.03
-25										
	0.09 *	0.08 *	0.08 *	0.07	0.06	0.05	0.04	0.03	0.03	0.02
-27.5										
	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01
-30										
	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	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
-35										
	0.02	0.02	0.02	0.02	0.02	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 : CEC_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	0.01	0.01	0.01	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	5.07	4.90	4.57	4.12	3.60	3.06	2.54	2.04	1.56	1.18

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 : CEC_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										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5										
	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50										
	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5										
	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
42.5										
	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	0.01	0.01	0.00	0.00	0.00	0.00	0.00
37.5										
	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	0.01	0.00	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
30										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	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
25										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
22.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
20										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
17.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
15										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
12.5										
	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
10										
	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEC_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

7.5										
	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
5										
	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
2.5										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00
0										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00
-2.5										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00
-5										
	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00
-7.5										
	0.05	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-10										
	0.05	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-12.5										
	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-15										
	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-17.5										
	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
-20										
	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-22.5										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-25										
	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-27.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-30										
	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-32.5										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-35										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-37.5										
	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-40										
	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-42.5										
	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-45										
	0.01	0.00	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 : CEC_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	0.87	0.65	0.50	0.41	0.34	0.29	0.26	0.22	0.19	0.17

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 : CEC_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 : CEC_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 : CEC_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	0.15	0.13	0.11	0.10	0.08	0.06	0.05	0.04	0.03	0.02

Vert. Angles	Horizontal Angles							<u>Total</u>
	<u>75</u>	<u>77.5</u>	<u>80</u>	<u>82.5</u>	<u>85</u>	<u>87.5</u>	<u>90</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	0.01
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEC_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

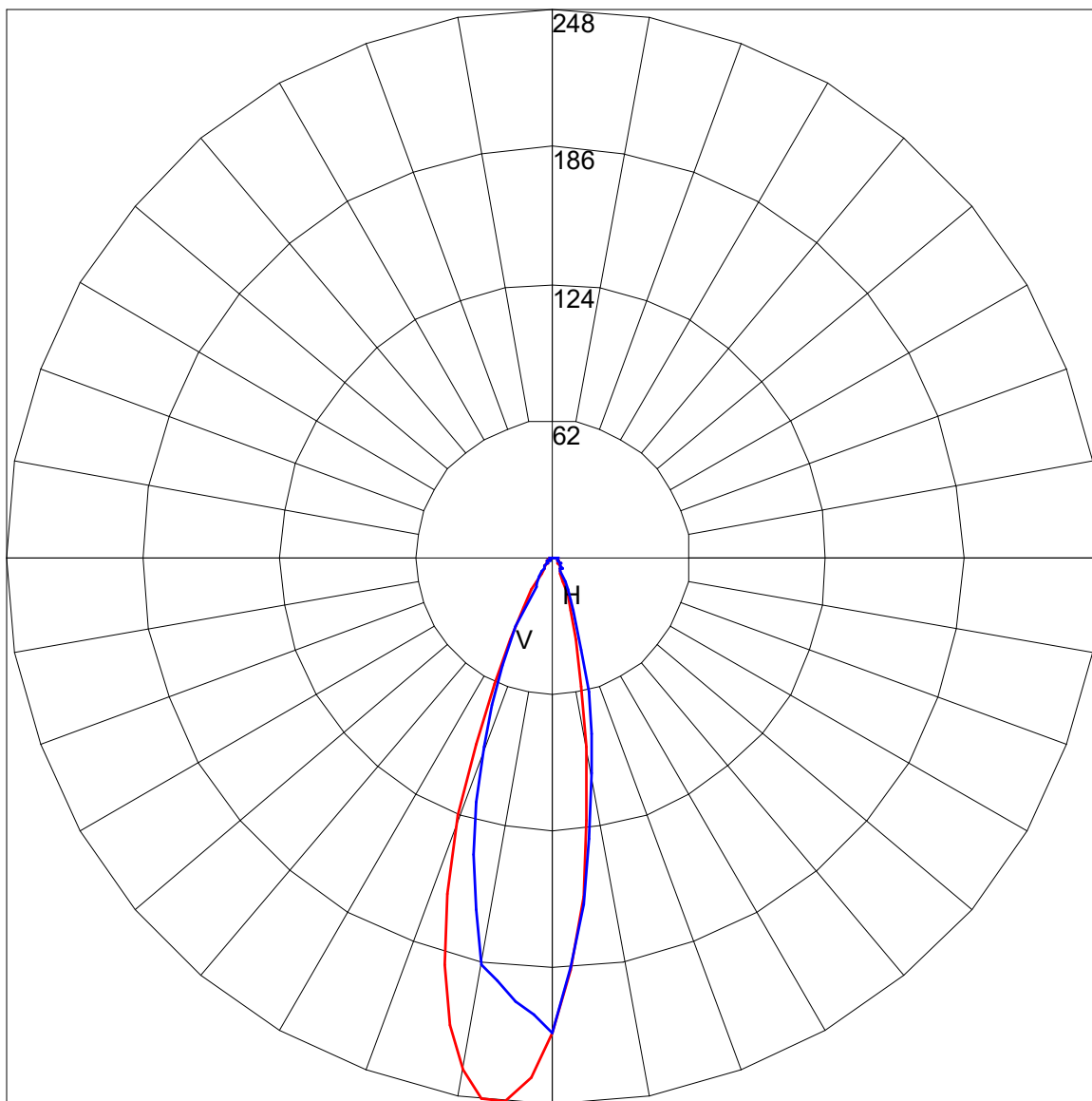
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.18
30	0.00	0.00	0.00	0.00	0.00	0.00	0.22
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.28
25	0.00	0.00	0.00	0.00	0.00	0.00	0.34
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.40
20	0.00	0.00	0.00	0.00	0.00	0.00	0.54
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.77
15	0.00	0.00	0.00	0.00	0.00	0.00	0.99
12.5	0.00	0.00	0.00	0.00	0.00	0.00	1.22
10	0.00	0.00	0.00	0.00	0.00	0.00	1.50
7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.85
5	0.00	0.00	0.00	0.00	0.00	0.00	2.19
2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.54
0	0.00	0.00	0.00	0.00	0.00	0.00	2.68
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.60
-5	0.00	0.00	0.00	0.00	0.00	0.00	2.53
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	2.45
-10	0.00	0.00	0.00	0.00	0.00	0.00	2.26
-12.5	0.00	0.00	0.00	0.00	0.00	0.00	1.96
-15	0.00	0.00	0.00	0.00	0.00	0.00	1.66
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	1.35
-20	0.00	0.00	0.00	0.00	0.00	0.00	1.09
-22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.87
-25	0.00	0.00	0.00	0.00	0.00	0.00	0.64
-27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.42
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.29
-32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.25
-35	0.00	0.00	0.00	0.00	0.00	0.00	0.20

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CEC_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

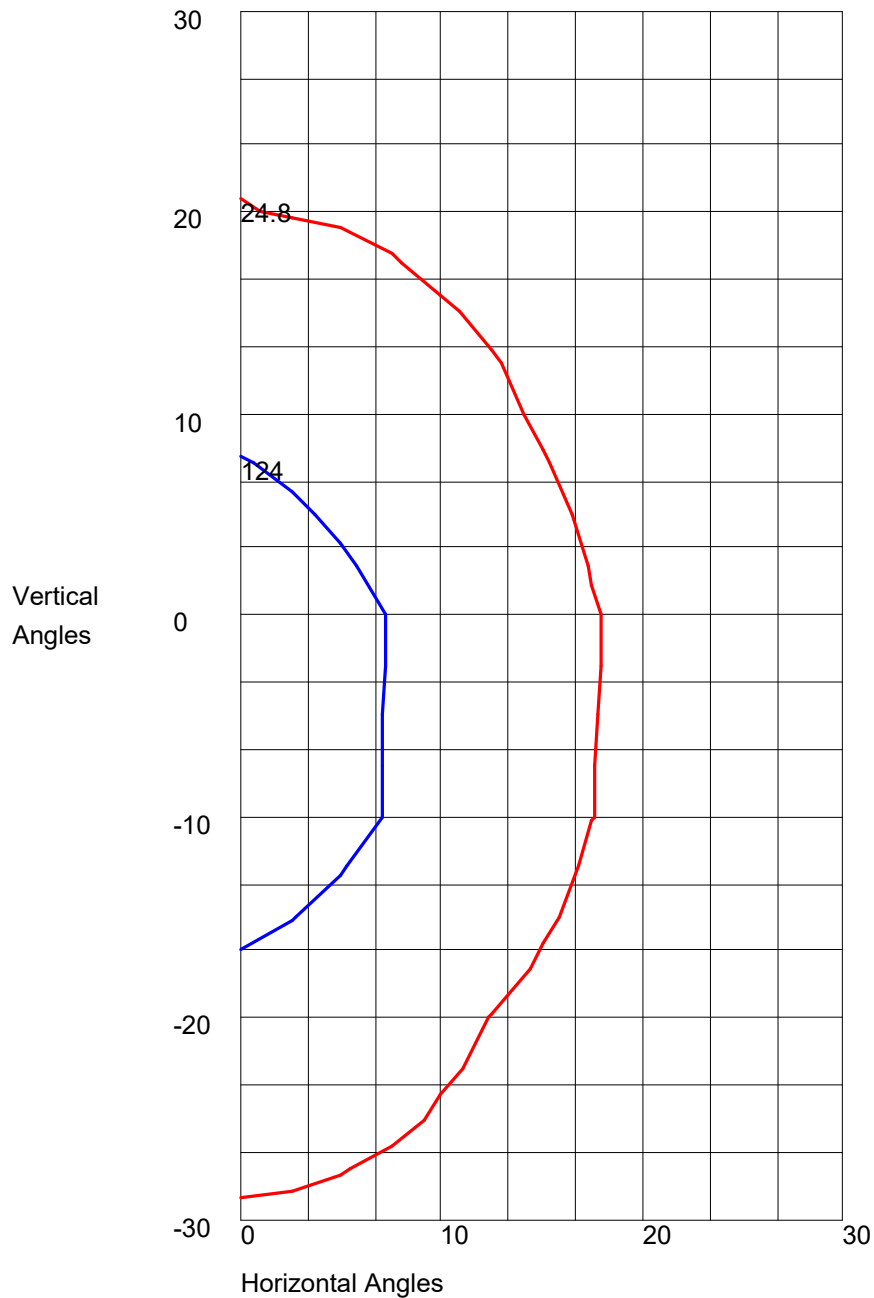
-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.16
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.14
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.12
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.11
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.10
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.09
-52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.08
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.07
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.07
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.07
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.06
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.06
-67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.05
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.04
-72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.03
-75	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	0.01
-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	0.00	0.00	0.00	37.35

AXIAL CANDELA DISPLAY



Maximum Candela = 248 Located At Horizontal Angle = -7.5, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 248 Located At Horizontal Angle = -7.5, Vertical Angle = 0
50% Maximum Candela = 124
10% Maximum Candela = 24.8