



IES FLOOD REPORT

PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] ITL77370

[TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.

[TESTDATE] 06/04/13

[ISSUEDATE] 6/17/2020

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] CWL_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	3 H x 3 V
Maximum Candela	280
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	17.8
Vertical Beam Angle (50%)	17.9
Horizontal Field Angle (10%)	36.3
Vertical Field Angle (10%)	36.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	15
Beam Efficiency	N.A.
Field Lumens	30
Field Efficiency	N.A.
Spill Lumens	28
Luminaire Lumens	58
Total Efficiency	N.A.
Total Luminaire Watts	1.15
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	1	80	1
77.5	1	77.5	1
75	1	75	1
72.5	1	72.5	1
70	2	70	2
67.5	2	67.5	2
65	2	65	2
62.5	3	62.5	3
60	4	60	3
57.5	4	57.5	4
55	5	55	4
52.5	5	52.5	5
50	5	50	5
47.5	5	47.5	5
45	6	45	6
42.5	6	42.5	6
40	7	40	7
37.5	8	37.5	8
35	9	35	9
32.5	11	32.5	10
30	12	30	12
27.5	13	27.5	13
25	15	25	15
22.5	18	22.5	18
20	22	20	22
17.5	30	17.5	31
15	45	15	46
12.5	73	12.5	76
10	116	10	120
7.5	171	7.5	176
5	226	5	231
2.5	265	2.5	271
0	280	0	280
-2.5	265	-2.5	262
-5	226	-5	223
-7.5	171	-7.5	169
-10	116	-10	112
-12.5	73	-12.5	70
-15	45	-15	43
-17.5	30	-17.5	29
-20	22	-20	22
-22.5	18	-22.5	18
-25	15	-25	16
-27.5	13	-27.5	14
-30	12	-30	12
-32.5	11	-32.5	11
-35	9	-35	9
-37.5	8	-37.5	8
-40	7	-40	7
-42.5	6	-42.5	6

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AXIAL CANDELA - (Cont.)

DEG.	HOR.	DEG.	VERT.
-45	6	-45	6
-47.5	5	-47.5	5
-50	5	-50	5
-52.5	5	-52.5	5
-55	5	-55	4
-57.5	4	-57.5	4
-60	4	-60	4
-62.5	3	-62.5	3
-65	2	-65	3
-67.5	2	-67.5	2
-70	2	-70	2
-72.5	1	-72.5	2
-75	1	-75	1
-77.5	1	-77.5	1
-80	1	-80	1
-82.5	0	-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 = 280

Beam Edge = 140 Cd (50% of Max.)

Field Edge = 28 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	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	1
62.5	0	0	0	0	0	0	0	0	1	1
60.0	0	0	0	0	0	0	0	0	1	1
57.5	0	0	0	0	0	0	0	1	1	1
55.0	0	0	0	0	0	0	0	1	1	1
52.5	0	0	0	0	0	0	1	1	1	1
50.0	0	0	0	0	0	0	1	1	1	1
47.5	0	0	0	0	0	0	1	1	1	1
45.0	0	0	0	0	0	1	1	1	1	1
42.5	0	0	0	0	0	1	1	1	1	1
40.0	0	0	0	0	0	1	1	1	1	1
37.5	0	0	0	0	0	1	1	1	1	1
35.0	0	0	0	0	0	1	1	1	1	1
32.5	0	0	0	0	0	1	1	1	1	2
30.0	0	0	0	0	0	1	1	1	1	2
27.5	0	0	0	0	1	1	1	1	1	2
25.0	0	0	0	0	1	1	1	1	1	2
22.5	0	0	0	0	1	1	1	1	1	2
20.0	0	0	0	0	1	1	1	1	1	2
17.5	0	0	0	0	1	1	1	1	2	2
15.0	0	0	0	0	1	1	1	1	2	2
12.5	0	0	0	0	1	1	1	1	2	2
10.0	0	0	0	0	1	1	1	1	2	2
7.5	0	0	0	0	1	1	1	1	2	2
5.0	0	0	0	0	1	1	1	1	2	2
2.5	0	0	0	0	1	1	1	1	2	2
0.0	0	0	0	0	1	1	1	1	2	2
-2.5	0	0	0	0	1	1	1	1	2	2
-5.0	0	0	0	0	1	1	1	1	2	2
-7.5	0	0	0	0	1	1	1	1	2	2
-10.0	0	0	0	0	1	1	1	1	2	2
-12.5	0	0	0	0	1	1	1	1	2	2
-15.0	0	0	0	0	1	1	1	1	2	2
-17.5	0	0	0	0	1	1	1	1	2	2
-20.0	0	0	0	0	1	1	1	1	1	2
-22.5	0	0	0	0	1	1	1	1	1	2
-25.0	0	0	0	0	1	1	1	1	1	2
-27.5	0	0	0	0	1	1	1	1	1	2
-30.0	0	0	0	0	0	1	1	1	1	2

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CANDELA TABULATION - (Cont.)

-32.5	0	0	0	0	0	1	1	1	1	2
-35.0	0	0	0	0	0	1	1	1	1	1
-37.5	0	0	0	0	0	1	1	1	1	1
-40.0	0	0	0	0	0	1	1	1	1	1
-42.5	0	0	0	0	0	1	1	1	1	1
-45.0	0	0	0	0	0	1	1	1	1	1
-47.5	0	0	0	0	0	0	1	1	1	1
-50.0	0	0	0	0	0	0	1	1	1	1
-52.5	0	0	0	0	0	0	1	1	1	1
-55.0	0	0	0	0	0	0	0	1	1	1
-57.5	0	0	0	0	0	0	0	1	1	1
-60.0	0	0	0	0	0	0	0	0	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	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>-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	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	1	1	1	1	1	1
70.0	0	1	1	1	1	1	1	1	1	1
67.5	1	1	1	1	1	1	1	1	1	1
65.0	1	1	1	1	1	1	1	1	1	1
62.5	1	1	1	1	1	1	1	1	2	2
60.0	1	1	1	1	1	1	1	2	2	2
57.5	1	1	1	1	1	2	2	2	2	2
55.0	1	1	1	1	2	2	2	2	3	3
52.5	1	1	1	2	2	2	3	3	3	3
50.0	1	1	1	2	2	3	3	3	3	3
47.5	1	1	2	2	3	3	3	3	4	4
45.0	1	2	2	3	3	3	4	4	4	4
42.5	1	2	3	3	3	4	4	4	4	4
40.0	2	2	3	3	3	4	4	4	5	4
37.5	2	2	3	3	4	4	4	5	5	5
35.0	2	3	3	3	4	4	5	5	5	5
32.5	2	3	3	4	4	4	5	5	5	5
30.0	2	3	3	4	4	5	5	5	5	5
27.5	2	3	3	4	4	5	5	5	5	5
25.0	2	3	3	4	4	5	5	5	5	5
22.5	2	3	4	4	5	5	5	5	5	5

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CANDELA TABULATION - (Cont.)

20.0	2	3	4	4	5	5	5	5	5	6
17.5	2	3	4	4	5	5	5	5	5	6
15.0	2	3	4	4	5	5	5	5	5	6
12.5	2	3	4	4	5	5	5	5	5	6
10.0	2	3	4	4	5	5	5	5	6	6
7.5	2	3	4	4	5	5	5	5	6	6
5.0	2	3	4	4	5	5	5	5	6	6
2.5	2	3	4	4	5	5	5	5	6	6
0.0	2	3	4	4	5	5	5	5	6	6
-2.5	2	3	4	4	5	5	5	5	6	6
-5.0	2	3	4	4	5	5	5	5	6	6
-7.5	2	3	4	4	5	5	5	5	6	6
-10.0	2	3	4	4	5	5	5	5	6	6
-12.5	2	3	4	4	5	5	5	5	5	6
-15.0	2	3	4	4	5	5	5	5	5	6
-17.5	2	3	4	4	5	5	5	5	5	6
-20.0	2	3	4	4	5	5	5	5	5	6
-22.5	2	3	4	4	5	5	5	5	5	5
-25.0	2	2	3	4	4	5	5	5	5	5
-27.5	2	2	3	4	4	5	5	5	5	5
-30.0	2	2	3	4	4	5	5	5	5	5
-32.5	2	2	3	4	4	4	5	5	5	5
-35.0	2	2	3	3	4	4	5	5	5	5
-37.5	2	2	2	3	4	4	4	5	5	5
-40.0	2	2	2	3	3	4	4	4	5	4
-42.5	1	2	2	2	3	4	4	4	4	4
-45.0	1	2	2	2	3	3	4	4	4	4
-47.5	1	1	2	2	2	3	3	3	4	4
-50.0	1	1	1	2	2	2	3	3	3	3
-52.5	1	1	1	2	2	2	2	3	3	3
-55.0	1	1	1	1	2	2	2	2	3	3
-57.5	1	1	1	1	1	2	2	2	2	2
-60.0	1	1	1	1	1	1	1	2	2	2
-62.5	1	1	1	1	1	1	1	1	2	2
-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	0	1	1	1	1	1	1	1	1	1
-72.5	0	0	0	0	1	1	1	1	1	1
-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>-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	1	1	1	1
77.5	0	0	0	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	2	2
70.0	1	1	1	1	2	2	2	2	2	2
67.5	1	1	2	2	2	2	2	2	2	2
65.0	2	2	2	2	2	3	3	3	3	3
62.5	2	2	2	3	3	3	3	3	3	3
60.0	2	2	3	3	3	3	4	4	4	4
57.5	3	3	3	3	4	4	4	4	4	4
55.0	3	3	3	4	4	4	4	4	4	4
52.5	3	4	4	4	4	4	4	4	4	4
50.0	4	4	4	4	4	4	4	5	5	5
47.5	4	4	4	4	4	5	5	5	5	5
45.0	4	4	4	5	5	5	5	5	5	5
42.5	4	4	5	5	5	5	5	5	6	6
40.0	5	5	5	5	5	5	6	6	6	7
37.5	5	5	5	5	5	6	6	6	7	7
35.0	5	5	5	5	6	6	6	7	8	8
32.5	5	5	5	6	6	6	7	8	8	9
30.0	5	5	6	6	7	7	8	8	9	10
27.5	5	6	6	7	7	8	8	9	10	11
25.0	6	6	7	7	8	9	9	10	11	12
22.5	6	7	7	8	9	9	11	11	12	13
20.0	6	7	8	9	9	10	11	12	14	15
17.5	7	8	9	9	10	11	12	13	15	16
15.0	7	8	9	10	11	12	13	14	16	17
12.5	7	8	9	10	11	12	13	15	17	19
10.0	7	8	9	10	11	12	14	15	18	21
7.5	7	8	9	11	12	13	14	16	19	24
5.0	7	8	9	11	12	13	15	17	20	27
2.5	7	8	9	11	12	13	15	18	21	29 *
0.0	7	8	9	11	12	13	15	18	22	30 *
-2.5	7	8	9	11	12	13	15	18	21	29 *
-5.0	7	8	9	11	12	13	15	17	20	26
-7.5	7	8	9	11	12	13	14	16	19	24
-10.0	7	8	9	10	11	12	14	15	18	21
-12.5	7	8	9	10	11	12	13	15	16	19
-15.0	7	8	9	10	11	12	12	14	15	17
-17.5	7	8	9	9	10	11	12	13	14	16
-20.0	6	7	8	9	9	10	11	12	13	14
-22.5	6	7	7	8	9	9	11	11	12	13
-25.0	6	6	7	7	8	9	9	10	11	12
-27.5	5	6	6	7	7	8	8	9	10	11
-30.0	5	5	6	6	7	7	8	8	9	10
-32.5	5	5	5	6	6	6	7	8	8	9
-35.0	5	5	5	5	6	6	6	7	8	8
-37.5	5	5	5	5	5	6	6	6	7	7
-40.0	5	5	5	5	5	5	6	6	6	7
-42.5	4	4	5	5	5	5	5	5	6	6
-45.0	4	4	4	5	5	5	5	5	5	5
-47.5	4	4	4	4	5	5	5	5	5	5
-50.0	4	4	4	4	4	4	5	5	5	5
-52.5	3	4	4	4	4	5	5	5	5	5
-55.0	3	3	3	4	4	4	4	5	5	5
-57.5	3	3	3	3	4	4	4	4	4	4
-60.0	2	2	3	3	3	3	4	4	4	4
-62.5	2	2	2	3	3	3	3	3	3	3
-65.0	2	2	2	2	2	3	3	3	3	3

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CANDELA TABULATION - (Cont.)

-67.5	1	1	2	2	2	2	2	2	2	2
-70.0	1	1	1	1	2	2	2	2	2	2
-72.5	1	1	1	1	1	1	1	1	2	2
-75.0	1	1	1	1	1	1	1	1	1	1
-77.5	0	0	0	1	1	1	1	1	1	1
-80.0	0	0	0	0	0	0	1	1	1	1
-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	1	1	1	1	1	1	1	1	1	1
77.5	1	1	1	1	1	1	1	1	1	1
75.0	1	1	1	1	1	1	1	1	1	1
72.5	2	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	3	3	2	2	2	2	2	2	2	2
62.5	3	3	3	3	3	3	3	3	3	3
60.0	4	4	4	3	3	3	3	3	3	3
57.5	4	4	4	4	4	4	4	4	4	4
55.0	4	4	4	4	4	4	4	4	4	4
52.5	4	5	5	5	5	5	5	5	5	5
50.0	5	5	5	5	5	5	5	5	5	5
47.5	5	5	5	5	5	5	5	5	5	5
45.0	5	5	6	6	6	6	6	6	6	6
42.5	6	6	6	6	6	6	6	6	6	6
40.0	7	7	7	7	7	7	7	7	7	7
37.5	8	8	8	8	8	8	8	8	8	8
35.0	9	9	9	9	9	9	9	9	9	9
32.5	10	10	10	10	10	10	10	10	10	10
30.0	11	11	11	12	12	12	12	12	12	12
27.5	12	12	13	13	13	13	13	13	13	13
25.0	13	14	14	14	15	15	15	15	15	14
22.5	14	15	16	17	17	18	18	18	17	17
20.0	16	17	18	20	21	22	22	22	21	20
17.5	18	20	22	25	28	30 *	31 *	30 *	28	25
15.0	20	24	29 *	35 *	41 *	45 *	46 *	45 *	41 *	35 *
12.5	23	31 *	40 *	52 *	65 *	73 *	76 *	73 *	65 *	52 *
10.0	29 *	39 *	55 *	77 *	99 *	116 *	120 *	116 *	99 *	77 *
7.5	34 *	51 *	76 *	110 *	143 *	169 *	176 *	169 *	143 *	110 *
5.0	39 *	63 *	98 *	142 *	189 *	223 *	231 *	223 *	189 *	142 *
2.5	44 *	71 *	113 *	166 *	220 *	257 *	271 *	257 *	220 *	166 *
0.0	45 *	73 *	116 *	171 *	226 *	265 *	280 *	265 *	226 *	171 *
-2.5	43 *	69 *	108 *	159 *	212 *	249 *	262 *	249 *	212 *	159 *
-5.0	38 *	60 *	91 *	134 *	179 *	215 *	223 *	215 *	179 *	134 *
-7.5	33 *	48 *	72 *	102 *	134 *	162 *	169 *	162 *	134 *	102 *
-10.0	28	37 *	52 *	72 *	92 *	107 *	112 *	107 *	92 *	72 *
-12.5	23	30 *	37 *	47 *	59 *	67 *	70 *	67 *	59 *	47 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-15.0	20	24	28	33 *	38 *	42 *	43 *	42 *	38 *	33 *
-17.5	17	19	21	24	26	28	29 *	28	26	24
-20.0	15	17	18	19	20	21	22	21	20	19
-22.5	14	15	15	16	17	18	18	18	17	16
-25.0	13	14	14	15	15	16	16	16	15	15
-27.5	12	12	13	13	14	14	14	14	14	13
-30.0	11	11	11	12	12	12	12	12	12	12
-32.5	10	10	10	11	11	11	11	11	11	11
-35.0	9	9	9	9	9	9	9	9	9	9
-37.5	8	8	8	8	8	8	8	8	8	8
-40.0	7	7	7	7	7	7	7	7	7	7
-42.5	6	6	6	6	6	6	6	6	6	6
-45.0	5	5	6	6	6	6	6	6	6	6
-47.5	5	5	5	5	5	5	5	5	5	5
-50.0	5	5	5	5	5	5	5	5	5	5
-52.5	5	5	5	5	5	5	5	5	5	5
-55.0	5	5	5	4	4	4	4	4	4	4
-57.5	4	4	4	4	4	4	4	4	4	4
-60.0	4	4	4	4	4	4	4	4	4	4
-62.5	3	3	3	3	3	3	3	3	3	3
-65.0	3	3	3	3	3	3	3	3	3	3
-67.5	2	2	2	2	2	2	2	2	2	2
-70.0	2	2	2	2	2	2	2	2	2	2
-72.5	2	2	2	2	2	2	2	2	2	2
-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	1	1	1	1	1	1	1	1	1	1
-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	1	1	1	1	1	1	1	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
72.5	1	1	2	2	2	1	1	1	1	1
70.0	2	2	2	2	2	2	2	2	2	1
67.5	2	2	2	2	2	2	2	2	2	2
65.0	2	3	3	3	3	3	3	3	2	2
62.5	3	3	3	3	3	3	3	3	3	3
60.0	4	4	4	4	4	4	4	3	3	3
57.5	4	4	4	4	4	4	4	4	4	3
55.0	4	4	4	4	4	4	4	4	4	4
52.5	5	5	4	4	4	4	4	4	4	4
50.0	5	5	5	5	5	5	4	4	4	4
47.5	5	5	5	5	5	5	5	5	4	4
45.0	6	5	5	5	5	5	5	5	5	5
42.5	6	6	6	6	6	5	5	5	5	5
40.0	7	7	7	7	6	6	6	5	5	5

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

37.5	8	8	8	7	7	6	6	6	5	5
35.0	9	9	9	8	8	7	6	6	6	5
32.5	10	10	10	9	8	8	7	6	6	6
30.0	11	11	11	10	9	8	8	7	7	6
27.5	13	12	12	11	10	9	8	8	7	7
25.0	14	14	13	12	11	10	9	9	8	7
22.5	16	15	14	13	12	11	11	9	9	8
20.0	18	17	16	15	14	12	11	10	9	9
17.5	22	20	18	16	15	13	12	11	10	9
15.0	29 *	24	20	17	16	14	13	12	11	10
12.5	40 *	31 *	23	19	17	15	13	12	11	10
10.0	55 *	39 *	29 *	21	18	15	14	12	11	10
7.5	76 *	51 *	34 *	24	19	16	14	13	12	11
5.0	98 *	63 *	39 *	27	20	17	15	13	12	11
2.5	113 *	71 *	44 *	29 *	21	18	15	13	12	11
0.0	116 *	73 *	45 *	30 *	22	18	15	13	12	11
-2.5	108 *	69 *	43 *	29 *	21	18	15	13	12	11
-5.0	91 *	60 *	38 *	26	20	17	15	13	12	11
-7.5	72 *	48 *	33 *	24	19	16	14	13	12	11
-10.0	52 *	37 *	28	21	18	15	14	12	11	10
-12.5	37 *	30 *	23	19	16	15	13	12	11	10
-15.0	28	24	20	17	15	14	12	12	11	10
-17.5	21	19	17	16	14	13	12	11	10	9
-20.0	18	17	15	14	13	12	11	10	9	9
-22.5	15	15	14	13	12	11	11	9	9	8
-25.0	14	14	13	12	11	10	9	9	8	7
-27.5	13	12	12	11	10	9	8	8	7	7
-30.0	11	11	11	10	9	8	8	7	7	6
-32.5	10	10	10	9	8	8	7	6	6	6
-35.0	9	9	9	8	8	7	6	6	6	5
-37.5	8	8	8	7	7	6	6	6	5	5
-40.0	7	7	7	7	6	6	6	5	5	5
-42.5	6	6	6	6	6	5	5	5	5	5
-45.0	6	5	5	5	5	5	5	5	5	5
-47.5	5	5	5	5	5	5	5	5	5	4
-50.0	5	5	5	5	5	5	5	4	4	4
-52.5	5	5	5	5	5	5	5	5	4	4
-55.0	5	5	5	5	5	5	4	4	4	4
-57.5	4	4	4	4	4	4	4	4	4	3
-60.0	4	4	4	4	4	4	4	3	3	3
-62.5	3	3	3	3	3	3	3	3	3	3
-65.0	3	3	3	3	3	3	3	3	2	2
-67.5	2	2	2	2	2	2	2	2	2	2
-70.0	2	2	2	2	2	2	2	2	2	1
-72.5	2	2	2	2	2	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	1	1	1	1	1	1	1	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 : CWL_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	1	1	1	1	0
70.0	1	1	1	1	1	1	1	1	1	1
67.5	2	1	1	1	1	1	1	1	1	1
65.0	2	2	2	1	1	1	1	1	1	1
62.5	2	2	2	2	2	1	1	1	1	1
60.0	3	2	2	2	2	2	1	1	1	1
57.5	3	3	3	2	2	2	2	2	1	1
55.0	3	3	3	3	3	2	2	2	2	1
52.5	4	4	3	3	3	3	3	2	2	2
50.0	4	4	4	3	3	3	3	3	2	2
47.5	4	4	4	4	4	3	3	3	3	2
45.0	4	4	4	4	4	4	4	3	3	3
42.5	5	4	4	4	4	4	4	4	3	3
40.0	5	5	5	4	5	4	4	4	3	3
37.5	5	5	5	5	5	5	4	4	4	3
35.0	5	5	5	5	5	5	5	4	4	3
32.5	5	5	5	5	5	5	5	4	4	4
30.0	6	5	5	5	5	5	5	5	4	4
27.5	6	6	5	5	5	5	5	5	4	4
25.0	7	6	6	5	5	5	5	5	4	4
22.5	7	7	6	5	5	5	5	5	5	4
20.0	8	7	6	6	5	5	5	5	5	4
17.5	9	8	7	6	5	5	5	5	5	4
15.0	9	8	7	6	5	5	5	5	5	4
12.5	9	8	7	6	5	5	5	5	5	4
10.0	9	8	7	6	6	5	5	5	5	4
7.5	9	8	7	6	6	5	5	5	5	4
5.0	9	8	7	6	6	5	5	5	5	4
2.5	9	8	7	6	6	5	5	5	5	4
0.0	9	8	7	6	6	5	5	5	5	4
-2.5	9	8	7	6	6	5	5	5	5	4
-5.0	9	8	7	6	6	5	5	5	5	4
-7.5	9	8	7	6	6	5	5	5	5	4
-10.0	9	8	7	6	6	5	5	5	5	4
-12.5	9	8	7	6	5	5	5	5	5	4
-15.0	9	8	7	6	5	5	5	5	5	4
-17.5	9	8	7	6	5	5	5	5	5	4
-20.0	8	7	6	6	5	5	5	5	5	4
-22.5	7	7	6	5	5	5	5	5	5	4
-25.0	7	6	6	5	5	5	5	5	4	4
-27.5	6	6	5	5	5	5	5	5	4	4
-30.0	6	5	5	5	5	5	5	5	4	4
-32.5	5	5	5	5	5	5	5	4	4	4
-35.0	5	5	5	5	5	5	5	4	4	3
-37.5	5	5	5	5	5	5	4	4	4	3
-40.0	5	5	5	4	5	4	4	4	3	3

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

CANDELA TABULATION - (Cont.)

-42.5	5	4	4	4	4	4	4	4	3	2
-45.0	4	4	4	4	4	4	4	3	3	2
-47.5	4	4	4	4	4	3	3	3	2	2
-50.0	4	4	4	3	3	3	3	2	2	2
-52.5	4	4	3	3	3	3	2	2	2	2
-55.0	3	3	3	3	3	2	2	2	2	1
-57.5	3	3	3	2	2	2	2	2	1	1
-60.0	3	2	2	2	2	2	1	1	1	1
-62.5	2	2	2	2	2	1	1	1	1	1
-65.0	2	2	2	1	1	1	1	1	1	1
-67.5	2	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	0
-75.0	1	1	1	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	1	1	0	0	0	0	0	0	0	0
67.5	1	1	1	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	1	1	1	1	1	0	0	0	0	0
57.5	1	1	1	1	1	1	0	0	0	0
55.0	1	1	1	1	1	1	0	0	0	0
52.5	1	1	1	1	1	1	1	0	0	0
50.0	1	1	1	1	1	1	1	0	0	0
47.5	2	1	1	1	1	1	1	0	0	0
45.0	2	2	1	1	1	1	1	1	0	0
42.5	3	2	1	1	1	1	1	1	0	0
40.0	3	2	2	1	1	1	1	1	0	0
37.5	3	2	2	1	1	1	1	1	0	0
35.0	3	3	2	1	1	1	1	1	0	0
32.5	3	3	2	2	1	1	1	1	0	0
30.0	3	3	2	2	1	1	1	1	0	0
27.5	3	3	2	2	1	1	1	1	1	0
25.0	3	3	2	2	1	1	1	1	1	0
22.5	4	3	2	2	1	1	1	1	1	0
20.0	4	3	2	2	1	1	1	1	1	0
17.5	4	3	2	2	2	1	1	1	1	0
15.0	4	3	2	2	2	1	1	1	1	0
12.5	4	3	2	2	2	1	1	1	1	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

10.0	4	3	2	2	2	1	1	1	1	0
7.5	4	3	2	2	2	1	1	1	1	0
5.0	4	3	2	2	2	1	1	1	1	0
2.5	4	3	2	2	2	1	1	1	1	0
0.0	4	3	2	2	2	1	1	1	1	0
-2.5	4	3	2	2	2	1	1	1	1	0
-5.0	4	3	2	2	2	1	1	1	1	0
-7.5	4	3	2	2	2	1	1	1	1	0
-10.0	4	3	2	2	2	1	1	1	1	0
-12.5	4	3	2	2	2	1	1	1	1	0
-15.0	4	3	2	2	2	1	1	1	1	0
-17.5	4	3	2	2	2	1	1	1	1	0
-20.0	4	3	2	2	1	1	1	1	1	0
-22.5	4	3	2	2	1	1	1	1	1	0
-25.0	3	2	2	2	1	1	1	1	1	0
-27.5	3	2	2	2	1	1	1	1	1	0
-30.0	3	2	2	2	1	1	1	1	0	0
-32.5	3	2	2	2	1	1	1	1	0	0
-35.0	3	2	2	1	1	1	1	1	0	0
-37.5	2	2	2	1	1	1	1	1	0	0
-40.0	2	2	2	1	1	1	1	1	0	0
-42.5	2	2	1	1	1	1	1	1	0	0
-45.0	2	2	1	1	1	1	1	1	0	0
-47.5	2	1	1	1	1	1	1	0	0	0
-50.0	1	1	1	1	1	1	1	0	0	0
-52.5	1	1	1	1	1	1	1	0	0	0
-55.0	1	1	1	1	1	1	0	0	0	0
-57.5	1	1	1	1	1	1	0	0	0	0
-60.0	1	1	1	1	1	0	0	0	0	0
-62.5	1	1	1	1	1	0	0	0	0	0
-65.0	1	1	1	1	0	0	0	0	0	0
-67.5	1	1	1	0	0	0	0	0	0	0
-70.0	1	1	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. Horizontal Angles
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 : CWL_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 : CWL_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 : CWL_SINGLE_LAMP.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 28.87

Total Field Lumens (one side of beam only) = 14.98

* 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	0.00	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	0.01	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	0.01	0.01	0.01	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	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

30										
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
27.5										
	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
25										
	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02
22.5										
	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.02
20										
	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02
17.5										
	0.07 *	0.07 *	0.06 *	0.05	0.04	0.04	0.03	0.03	0.03	0.02
15										
	0.11 *	0.11 *	0.09 *	0.07 *	0.06 *	0.05	0.04	0.03	0.03	0.02
12.5										
	0.18 *	0.17 *	0.14 *	0.11 *	0.08 *	0.06 *	0.04	0.03	0.03	0.02
10										
	0.28 *	0.25 *	0.20 *	0.15 *	0.10 *	0.07 *	0.05	0.04	0.03	0.03
7.5										
	0.38 *	0.34 *	0.28 *	0.20 *	0.13 *	0.09 *	0.06 *	0.04	0.03	0.03
5										
	0.47 *	0.42 *	0.34 *	0.24 *	0.16 *	0.10 *	0.06 *	0.04	0.03	0.03
2.5										
	0.51 *	0.46 *	0.37 *	0.27 *	0.17 *	0.11 *	0.07 *	0.05	0.04	0.03
0										
	0.50 *	0.45 *	0.36 *	0.26 *	0.17 *	0.11 *	0.07 *	0.05	0.04	0.03
-2.5										
	0.45 *	0.41 *	0.32 *	0.23 *	0.15 *	0.10 *	0.06 *	0.04	0.03	0.03
-5										
	0.37 *	0.33 *	0.26 *	0.19 *	0.13 *	0.08 *	0.06 *	0.04	0.03	0.03
-7.5										
	0.26 *	0.24 *	0.19 *	0.14 *	0.10 *	0.07 *	0.05	0.04	0.03	0.03
-10										
	0.17 *	0.15 *	0.13 *	0.10 *	0.07 *	0.05 *	0.04	0.03	0.03	0.02
-12.5										
	0.11 *	0.10 *	0.08 *	0.07 *	0.06 *	0.04	0.04	0.03	0.03	0.02
-15										
	0.07 *	0.06 *	0.06 *	0.05	0.04	0.04	0.03	0.03	0.02	0.02
-17.5										
	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02
-20										
	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
-22.5										
	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02
-25										
	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
-27.5										
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
-30										
	0.02	0.02	0.02	0.02	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	0.02	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 : CWL_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	0.00	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	4.62	4.24	3.55	2.78	2.10	1.60	1.26	1.05	0.92	0.82

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 : CWL_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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
55	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
52.5	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	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
47.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
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	0.01	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	0.02	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	0.02	0.01	0.01	0.01	0.01	0.01	0.01
12.5	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
10	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

7.5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
2.5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
0										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-2.5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-7.5										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-10										
	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
-12.5										
	0.02	0.02	0.02	0.02	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	0.02	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										
	0.01	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	0.00	0.00
-47.5										
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-50										
	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
-52.5										
	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-55										
	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-57.5										
	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60										
	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-62.5	0.01	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	0.74	0.67	0.60	0.54	0.47	0.42	0.37	0.33	0.30	0.27

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 : CWL_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	0.01	0.00	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
32.5	0.01	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-7.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-10	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-12.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

-15	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-17.5	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-20	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-32.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-35	0.01	0.00	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 : CWL_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	0.25	0.22	0.19	0.15	0.12	0.09	0.06	0.05	0.03	0.02

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	0.01
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	0.03
75	0.00	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	0.00	0.05
70	0.00	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	0.00	0.07
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	0.12
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
37.5	0.00	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	0.00	0.27

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

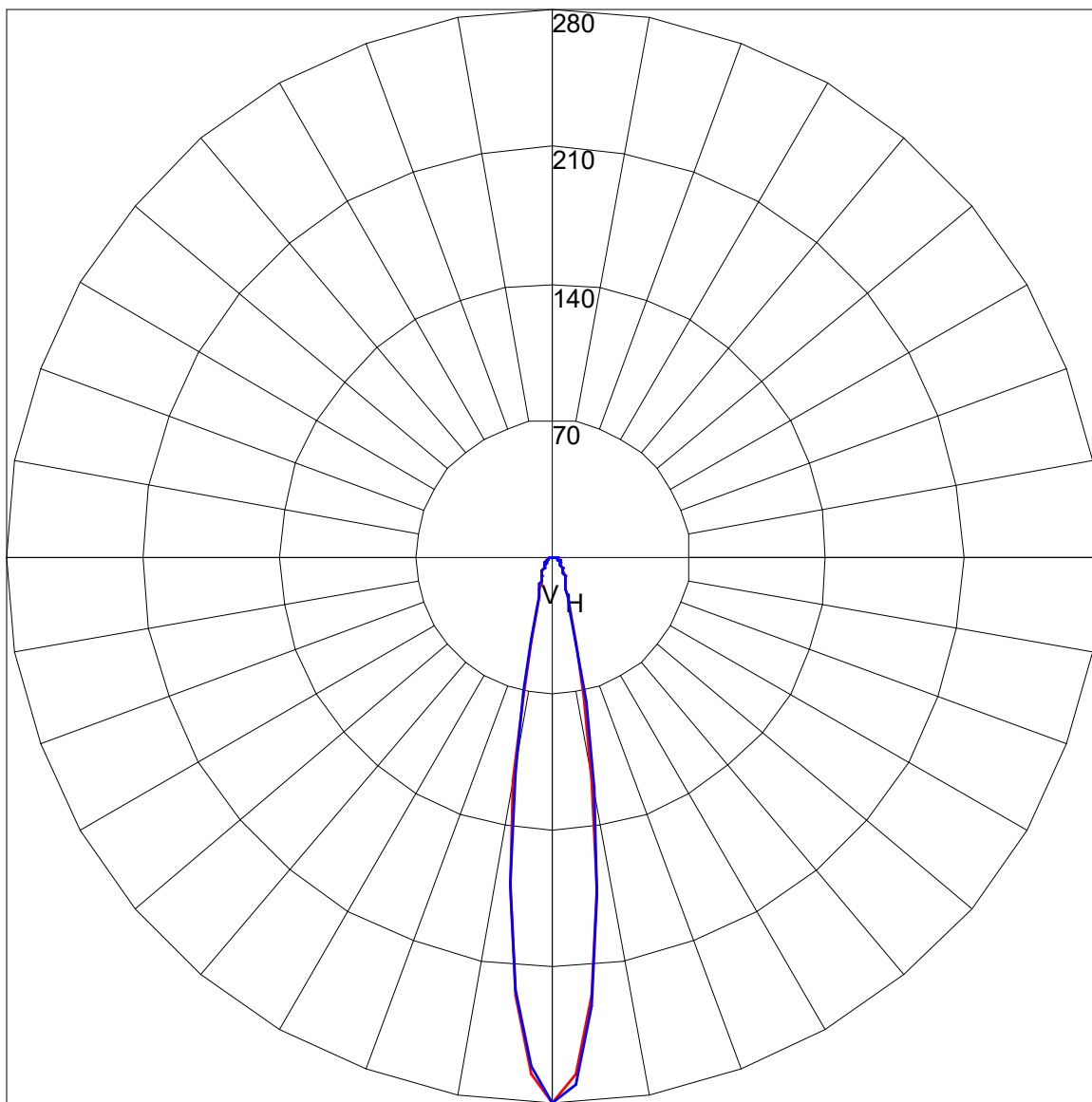
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.30
30	0.00	0.00	0.00	0.00	0.00	0.00	0.32
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.35
25	0.00	0.00	0.00	0.00	0.00	0.00	0.39
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.43
20	0.00	0.00	0.00	0.00	0.00	0.00	0.50
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.60
15	0.00	0.00	0.00	0.00	0.00	0.00	0.76
12.5	0.00	0.00	0.00	0.00	0.00	0.00	1.02
10	0.00	0.00	0.00	0.00	0.00	0.00	1.36
7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.74
5	0.00	0.00	0.00	0.00	0.00	0.00	2.07
2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.23
0	0.00	0.00	0.00	0.00	0.00	0.00	2.20
-2.5	0.00	0.00	0.00	0.00	0.00	0.00	2.00
-5	0.00	0.00	0.00	0.00	0.00	0.00	1.67
-7.5	0.00	0.00	0.00	0.00	0.00	0.00	1.29
-10	0.00	0.00	0.00	0.00	0.00	0.00	0.96
-12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.73
-15	0.00	0.00	0.00	0.00	0.00	0.00	0.58
-17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.48
-20	0.00	0.00	0.00	0.00	0.00	0.00	0.43
-22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.39
-25	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	0.33
-30	0.00	0.00	0.00	0.00	0.00	0.00	0.30
-32.5	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	0.25

IES FLOOD REPORT
PHOTOMETRIC FILENAME : CWL_SINGLE_LAMP.IES

LUMENS TABULATION - (Cont.)

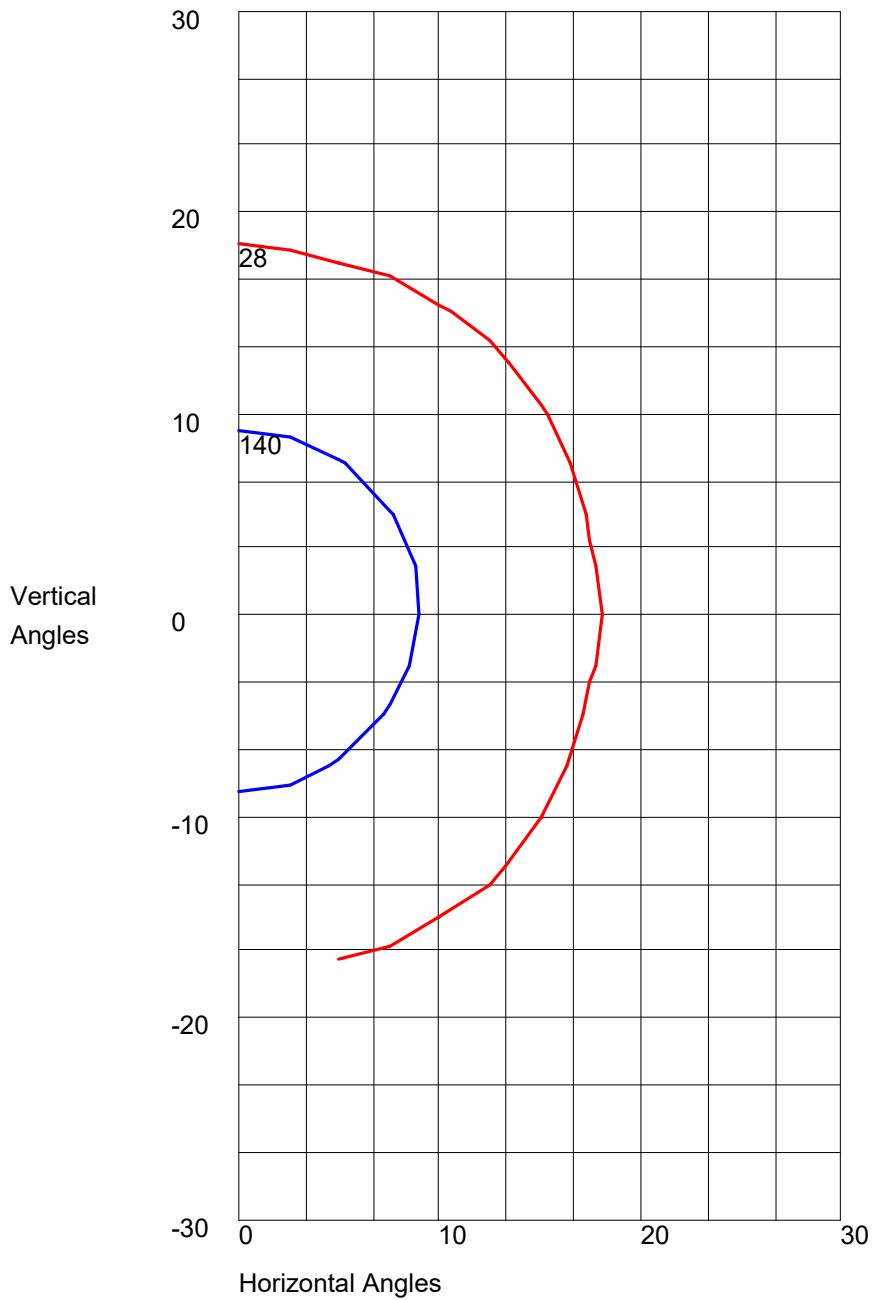
-37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.23
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.21
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.19
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.18
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.17
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.16
-52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.15
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.14
-57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.12
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.11
-62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.09
-65	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	0.06
-70	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	0.04
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.03
-77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.02
-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	0.00
-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	0.00	0.00	0.00	0.00	28.87

AXIAL CANDELA DISPLAY



Maximum Candela = 280 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 280 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 140
10% Maximum Candela = 28