

REPORT NUMBER: ITL68901

PAGE: 1 OF 7

ISSUE DATE: 06/20/11

PREPARED FOR: BEGHELLI

CATALOG NUMBER: XLPLED1

LUMINAIRE: MOLDED WHITE PLASTIC HOUSING, TWO MOLDED WHITE PLASTIC SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: MOLDED WHITE PLASTIC HOUSING, ONE CIRCUIT BOARD WITH 8 LEDS, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND ONE APERTURE PER LED, CLEAR PRISMATIC PLASTIC LENS. ONLY ONE HEAD ASSEMBLY ENERGIZED FOR THIS TEST.

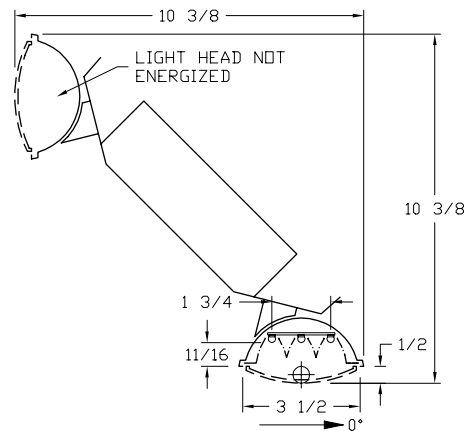
LAMPS: EIGHT WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR CYLINDRICAL INTEGRAL LENS WITH HEMISPHERICAL END, VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 0.549 AT 3.60 VOLTS DC MOUNTING: SURFACE

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CLIENT REQUESTED INPUT VOLTAGE (3.6VDC) TO THE LAMP ASSEMBLY.

TEST PROCEDURE: IESNA LM-79-08

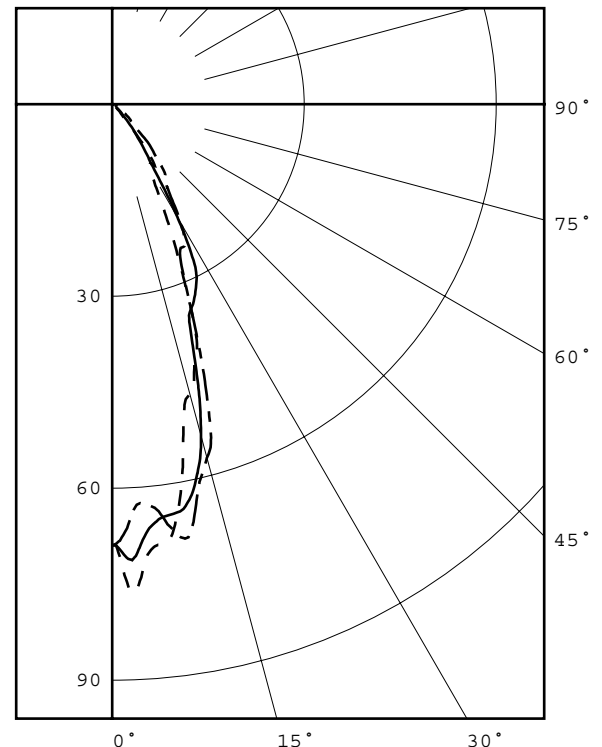
TEST DISTANCE = 25.25 FEET



# CANDELA DISTRIBUTION

# FLUX

	0.0	22.5	45.0	67.5	90.0	
0	68.9	68.9	68.9	68.9	68.9	6.4
5	69.9	68.0	66.5	66.4	62.9	14.3
15	46.9	42.5	53.6	58.3	57.2	12.0
25	21.2	24.2	31.1	24.2	25.1	7.1
35	11.5	8.1	9.1	14.4	14.2	3.1
45	1.7	1.8	2.3	6.9	5.3	0.9
55	0.6	0.7	0.7	1.2	1.7	0.5
65	0.3	0.4	0.4	0.6	0.8	0.3
75	0.2	0.2	0.2	0.3	0.3	0.1
85	0.0	0.1	0.1	0.1	0.2	0.0
90	0.0	0.0	0.0	0.1	0.1	0.0
95	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0

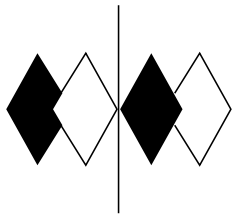


# ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	32.7	73.2
0- 40	39.8	89.1
0- 60	43.8	98.1
0- 90	44.6	100.0
90-120	0.0	0.0
90-130	0.0	0.0
90-150	0.0	0.0
90-180	0.0	0.0
0-180	44.6	100.0

EFFICACY = 81.2 Lm/W  
CIE TYPE - DIRECT

Checked M.KLOPF  
Approved R.BEATTIE  
Lighting Engineer



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PLANE : 0-DEG 90-DEG  
SPACING CRITERIA : 0.69 0.71



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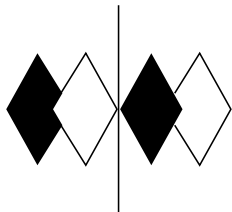
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CANDELA DISTRIBUTION  
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	68.9	68.9	68.9	68.9	68.9
0.5	68.9	68.9	68.9	68.8	68.7
1.0	70.9	70.7	69.6	68.6	68.2
1.5	73.6	72.7	70.4	68.2	67.3
2.0	75.7	74.4	71.1	67.9	66.3
2.5	76.5	74.8	71.3	67.3	64.9
3.0	75.7	73.8	70.7	66.5	63.5
3.5	74.1	72.0	69.5	66.0	62.7
4.0	72.0	70.2	68.3	65.9	62.5
4.5	70.6	68.8	67.3	66.0	62.7
5.0	69.9	68.0	66.5	66.4	62.9
5.5	69.4	67.5	66.0	66.8	63.1
6.0	69.2	67.5	65.6	67.2	63.4
6.5	69.2	67.2	65.2	67.6	64.0
7.0	69.1	67.0	65.0	68.3	65.0
7.5	68.6	66.6	64.9	69.0	66.2
8.0	67.8	65.5	64.8	69.4	66.9
8.5	66.4	64.3	64.7	69.4	67.8
9.0	64.8	62.7	64.6	69.3	68.5
9.5	63.4	61.0	64.5	69.0	68.8
10.0	61.7	59.3	64.2	68.2	68.7
11.0	57.8	56.0	63.0	66.0	66.5
12.0	53.4	51.8	61.4	63.5	63.4
13.0	49.8	47.6	59.2	61.1	60.6
14.0	47.5	44.4	56.9	59.1	58.9
15.0	46.9	42.5	53.6	58.3	57.2
16.0	46.1	42.0	50.0	57.4	55.8
17.0	43.8	41.3	46.0	55.5	52.3
18.0	41.6	39.6	41.5	52.5	47.9
19.0	40.7	38.1	37.7	48.4	43.5
20.0	38.3	36.9	35.1	43.5	38.8
22.5	28.7	31.5	33.3	32.6	29.4
25.0	21.2	24.2	31.1	24.2	25.1
27.5	15.3	16.6	27.5	20.6	24.6
30.0	12.1	12.4	20.4	19.9	21.6
32.5	11.0	9.8	12.8	17.5	16.9
35.0	11.5	8.1	9.1	14.4	14.2
37.5	8.1	7.8	6.6	11.1	13.5
40.0	4.2	6.3	4.9	9.8	10.5
42.5	2.1	3.9	3.4	9.2	8.7
45.0	1.7	1.8	2.3	6.9	5.3
47.5	1.0	1.5	1.8	4.5	4.0
50.0	0.9	1.0	1.2	2.6	3.6
52.5	0.7	0.8	0.9	1.9	2.8
55.0	0.6	0.7	0.7	1.2	1.7
57.5	0.5	0.6	0.6	0.9	1.2
60.0	0.4	0.5	0.5	0.8	1.0
62.5	0.4	0.4	0.5	0.7	0.9
65.0	0.3	0.4	0.4	0.6	0.8
67.5	0.3	0.3	0.4	0.5	0.8
70.0	0.2	0.3	0.3	0.4	0.7
72.5	0.2	0.2	0.3	0.3	0.4
75.0	0.2	0.2	0.2	0.3	0.3
77.5	0.1	0.2	0.2	0.2	0.3
80.0	0.1	0.2	0.2	0.2	0.2
82.5	0.0	0.1	0.1	0.2	0.2
85.0	0.0	0.1	0.1	0.1	0.2
87.5	0.0	0.0	0.1	0.1	0.1
90.0	0.0	0.0	0.0	0.1	0.1
92.5	0.0	0.0	0.0	0.0	0.1
95.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION  
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
107.5	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	1.6
5- 10	4.7
10- 15	6.8
15- 20	7.5
20- 25	6.6
25- 30	5.4
30- 35	4.1
35- 40	3.0
40- 45	2.0
45- 50	1.1
50- 55	0.6
55- 60	0.4
60- 65	0.3
65- 70	0.2
70- 75	0.2
75- 80	0.1
80- 85	0.1
85- 90	0.0
90- 95	0.0
95-100	0.0
100-105	0.0
105-110	0.0
110-115	0.0
115-120	0.0
120-125	0.0
125-130	0.0
130-135	0.0
135-140	0.0
140-145	0.0
145-150	0.0
150-155	0.0
155-160	0.0
160-165	0.0
165-170	0.0
170-175	0.0
175-180	0.0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	6.4
0- 20	20.7
0- 30	32.7
0- 40	39.8
0- 50	42.8
0- 60	43.8
0- 70	44.3
0- 80	44.5
0- 90	44.6
0-100	44.6
0-110	44.6
0-120	44.6
0-130	44.6
0-140	44.6
0-150	44.6
0-160	44.6
0-170	44.6
0-180	44.6



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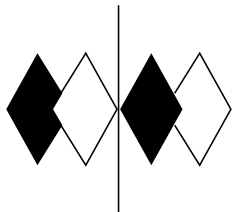
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# COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	72	66	62	80	71	65	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	67	62	58	66	61	58	65	61	58	56
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.



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