

REPORT NUMBER: ITL79257
ISSUE DATE: 10/17/13
PREPARED FOR: BEST LIGHTING PRODUCTS
CATALOG NUMBER: LEDCADXR-ELT

PAGE: 1 OF 6

LUMINAIRE: FABRICATED WHITE PAINTED METAL HOUSING, TWO FORMED WHITE PAINTED METAL SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: ONE WHITE CIRCUIT BOARD WITH 1 LED, SPUN SPECULAR MULTI-FACETED METAL REFLECTOR, CLEAR GLASS DROP LENS WITH RECTANGULAR PRISMS, FABRICATED SPECULAR METAL LENS RETAINING RING. LENS PRISMS IN AND PARALLEL WITH THE 0-DEGREE PLANE. ONLY ONE HEAD ASSEMBLY ENERGIZED FOR THIS TEST.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 5.24 AT 6.0 VOLTS DC

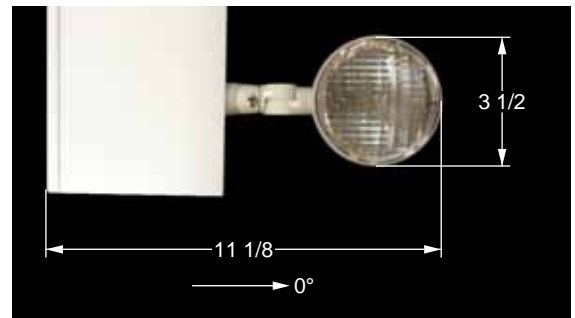
MOUNTING: SURFACE

LED DRIVER: BEST LIGHTING PROPRIETARY

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (6.0VDC) TO THE LED DRIVER. LED DRIVER INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

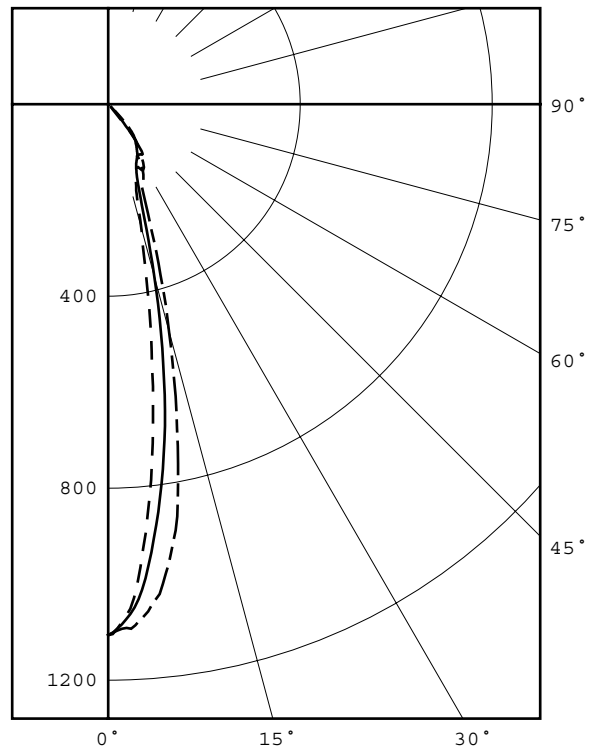
TEST DISTANCE = 20.0 FEET



CANDELA DISTRIBUTION

FLUX

	0.0	22.5	45.0	67.5	90.0	
0	1106	1106	1106	1106	1106	
5	896	910	965	1019	1047	83
15	267	298	372	448	490	104
25	145	164	138	154	174	72
35	111	89	124	100	101	63
45	9	9	14	19	17	16
55	5	5	5	6	6	5
65	3	3	3	3	3	3
75	2	2	2	2	2	2
85	1	1	1	1	1	1
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0



LEGEND:
0-deg -----
45-deg =====
90-deg - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXT
0- 30	260	74.4
0- 40	322	92.4
0- 60	343	98.3
0- 90	349	100.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
0-180	349	100.0

EFFICACY = 66.6 lm/W
CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 0.32 0.47

Checked B. HYRE
Approved R. BEATTIE
Lighting Engineer



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	1106	1106	1106	1106	1106
0.5	1104	1102	1101	1100	1101
1.0	1093	1091	1093	1095	1097
1.5	1080	1080	1084	1091	1093
2.0	1067	1067	1074	1086	1092
2.5	1052	1048	1063	1084	1094
3.0	1030	1026	1050	1078	1087
3.5	999	997	1033	1063	1077
4.0	967	967	1014	1048	1069
4.5	929	939	991	1034	1060
5.0	896	910	965	1019	1047
5.5	859	876	938	1004	1036
6.0	824	844	910	988	1026
6.5	788	812	883	968	1006
7.0	749	778	856	948	985
7.5	712	742	827	925	966
8.0	672	708	799	898	943
8.5	631	673	769	867	919
9.0	595	636	739	839	899
9.5	551	601	710	808	871
10.0	523	566	681	776	836
11.0	457	500	617	711	763
12.0	394	440	551	643	690
13.0	338	387	490	566	625
14.0	295	340	429	505	553
15.0	267	298	372	448	490
16.0	232	260	319	388	435
17.0	208	229	273	336	372
18.0	189	202	236	294	325
19.0	180	181	208	256	277
20.0	167	167	186	231	242
22.5	155	158	154	172	184
25.0	145	164	138	154	174
27.5	155	157	129	151	156
30.0	148	144	122	141	122
32.5	130	109	124	116	111
35.0	111	89	124	100	101
37.5	93	94	85	82	91
40.0	22	53	43	69	79
42.5	10	14	32	50	53
45.0	9	9	14	19	17
47.5	8	8	8	9	9
50.0	7	7	7	7	7
52.5	6	6	6	6	6
55.0	5	5	5	6	6
57.5	4	5	5	5	5
60.0	4	4	4	5	5
62.5	4	4	4	4	4
65.0	3	3	3	3	3
67.5	3	3	3	3	3
70.0	2	2	2	3	3
72.5	2	2	2	2	2
75.0	2	2	2	2	2
77.5	1	1	2	2	2
80.0	1	1	1	1	1
82.5	1	1	1	1	1
85.0	1	1	1	1	1
87.5	0	0	0	0	0
90.0	0	0	0	0	0
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0



INDEPENDENT TESTING LABORATORIES, INC.
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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
125.0	0	0	0	0	0
130.0	0	0	0	0	0
135.0	0	0	0	0	0
140.0	0	0	0	0	0
145.0	0	0	0	0	0
150.0	0	0	0	0	0
155.0	0	0	0	0	0
160.0	0	0	0	0	0
165.0	0	0	0	0	0
170.0	0	0	0	0	0
175.0	0	0	0	0	0
180.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	25
5- 10	58
10- 15	60
15- 20	44
20- 25	35
25- 30	37
30- 35	35
35- 40	28
40- 45	12
45- 50	4
50- 55	3
55- 60	2
60- 65	2
65- 70	1
70- 75	1
75- 80	1
80- 85	1
85- 90	0
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	83
0- 20	187
0- 30	260
0- 40	322
0- 50	338
0- 60	343
0- 70	346
0- 80	348
0- 90	349
0-100	349
0-110	349
0-120	349
0-130	349
0-140	349
0-150	349
0-160	349
0-170	349
0-180	349



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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	119	116	116	116	116	116	111	111	111	111	111	106	106	106	106	102	102	102	102	100
1	114	111	110	91	107	111	110	91	107	105	105	103	102	101	100	99	98	97	96	96	98	97	96	94
2	109	104	100	97	97	107	102	99	96	96	99	96	94	96	94	92	94	92	90	90	94	92	90	89
3	104	98	93	90	90	102	97	92	89	89	94	90	88	92	89	86	89	87	85	85	89	87	85	83
4	99	92	87	84	84	98	91	87	83	83	89	85	82	87	84	81	85	83	80	80	85	83	80	79
5	95	87	82	78	78	94	87	82	78	78	85	81	77	83	80	77	83	80	76	76	82	79	76	75
6	91	83	78	74	74	90	82	77	74	74	81	76	73	80	76	73	80	76	73	73	78	75	72	71
7	87	79	74	70	70	86	78	73	70	70	77	73	69	76	72	69	76	72	69	69	75	71	69	67
8	84	75	70	66	66	83	75	70	66	66	74	69	66	73	69	66	73	69	66	66	72	68	65	64
9	81	72	67	63	63	80	72	67	63	63	71	66	63	70	66	63	70	66	63	63	69	65	63	61
10	78	69	64	61	61	77	69	64	61	61	68	63	60	67	63	60	67	63	60	60	67	63	60	59

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 TEST SAMPLE.



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NVLAP LAB CODE: 200925-0

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