

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730498

Luminaire Tested: **HBLED-LD5-15SE-W-FLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-FLI-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15012.0 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

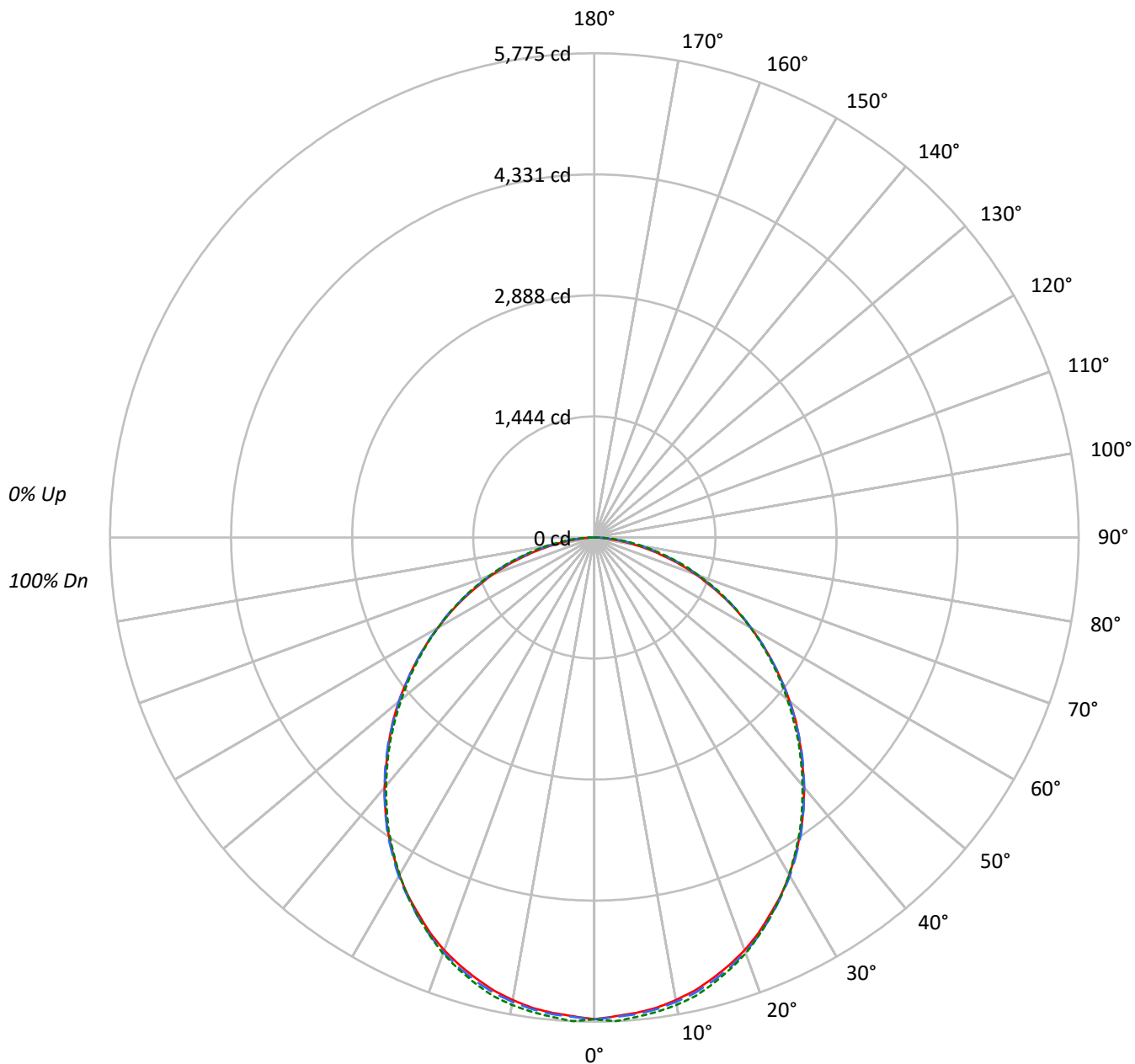
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9279	9279	9279
5°	9226	9252	9305
10°	9184	9222	9282
15°	9104	9153	9198
20°	9000	9044	9070
25°	8834	8884	8871
30°	8671	8694	8659
35°	8456	8478	8424
40°	8202	8202	8139
45°	7915	7937	7856
50°	7643	7631	7535
55°	7313	7314	7248
60°	6958	6967	6939
65°	6558	6624	6640
70°	6057	6223	6230
75°	5353	5700	5789
80°	4391	4992	5274
85°	3047	4190	4739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.5	3.6
10°-20°	1546.2	10.3
20°-30°	2297.8	15.3
30°-40°	2686.7	17.9
40°-50°	2678.7	17.8
50°-60°	2324.1	15.5
60°-70°	1716.6	11.4
70°-80°	961.1	6.4
80°-90°	256.4	1.7
90°-100°	0.8	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4387.5	29.2
0°-40°	7074.2	47.1
0°-60°	12077.0	80.4
0°-90°	15011.2	100.0
90°-120°	0.8	0.0
90°-150°	0.8	0.0
90°-180°	1.0	0.0
0°-180°	15012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5747	5747	5747	5747	5747	
5°	5693	5728	5709	5734	5741	541
15°	5446	5484	5476	5502	5502	1536
25°	4959	4999	4987	4998	4980	2286
35°	4290	4328	4301	4300	4274	2680
45°	3466	3503	3476	3462	3440	2676
55°	2598	2616	2598	2594	2575	2323
65°	1717	1733	1734	1743	1738	1698
75°	858	884	914	920	928	914
85°	164	199	226	246	256	200
90°	0	4	4	10	9	7
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5747.0	5747.0	5747.0	5747.0	5747.0
2.5°	5715.6	5749.6	5725.8	5748.5	5774.8
5°	5692.6	5728.4	5708.6	5733.8	5741.2
7.5°	5659.0	5693.7	5674.7	5699.9	5707.6
10°	5601.9	5639.6	5624.6	5653.1	5661.2
12.5°	5535.4	5570.9	5561.0	5594.2	5599.7
15°	5446.3	5484.3	5475.8	5502.2	5502.5
17.5°	5347.6	5383.4	5377.2	5397.7	5396.9
20°	5238.3	5276.6	5263.5	5285.8	5278.8
22.5°	5108.9	5149.9	5133.4	5152.0	5134.5
25°	4958.7	4998.6	4986.9	4997.8	4979.5
27.5°	4813.2	4849.8	4825.6	4838.8	4819.4
30°	4651.0	4682.0	4663.4	4667.8	4644.4
32.5°	4468.6	4505.5	4482.8	4482.1	4457.3
35°	4290.3	4327.9	4301.2	4300.5	4273.8
37.5°	4092.9	4128.0	4096.6	4098.4	4067.3
40°	3891.5	3921.9	3891.5	3890.0	3861.6
42.5°	3673.0	3713.2	3685.4	3688.7	3650.7
45°	3466.5	3503.4	3476.0	3461.7	3440.5
47.5°	3260.8	3276.8	3254.1	3250.5	3220.5
50°	3042.9	3055.0	3037.8	3033.4	2999.8
52.5°	2817.8	2838.6	2816.7	2810.8	2788.6
55°	2597.8	2615.6	2598.1	2593.7	2574.7
57.5°	2376.3	2399.7	2381.8	2377.4	2362.1
60°	2154.8	2161.8	2157.4	2163.9	2149.0
62.5°	1934.8	1950.9	1956.0	1954.2	1942.5
65°	1716.6	1733.4	1733.8	1742.6	1738.1
67.5°	1493.3	1515.2	1521.5	1530.6	1534.6
70°	1283.1	1300.0	1318.3	1323.7	1319.7
72.5°	1071.5	1098.6	1119.1	1123.8	1141.0
75°	858.1	883.7	913.7	920.2	927.9
77.5°	660.1	694.0	721.1	729.9	739.4
80°	472.2	509.8	536.9	548.9	567.2
82.5°	309.9	348.3	375.7	387.8	410.1
85°	164.5	198.8	226.2	246.3	255.8
87.5°	48.6	77.8	93.5	99.4	107.8
90°	0.0	3.7	4.4	9.9	9.2
92.5°	0.0	0.0	0.0	0.0	0.0
95°	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
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)