

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: P730426

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730426
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-LD5-15HE-W-FLI-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15186.0 lumens
Efficiency: N/A
Efficacy: 166.5 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

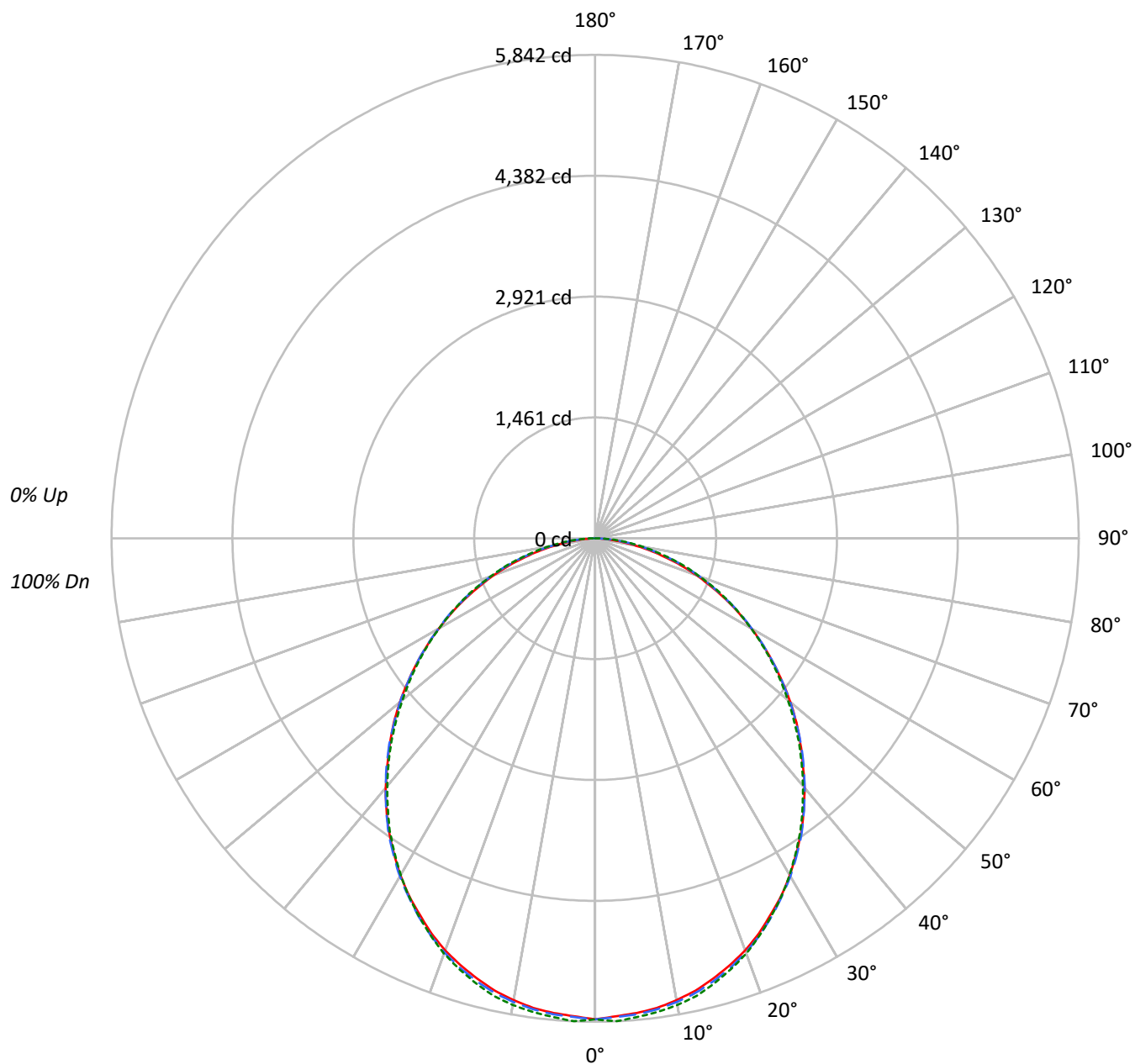
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9387	9387	9387
5°	9333	9360	9413
10°	9291	9328	9389
15°	9209	9259	9304
20°	9105	9149	9175
25°	8936	8987	8974
30°	8772	8795	8759
35°	8554	8576	8522
40°	8297	8297	8233
45°	8007	8029	7947
50°	7732	7719	7622
55°	7397	7398	7332
60°	7039	7047	7020
65°	6634	6701	6717
70°	6128	6296	6302
75°	5415	5766	5856
80°	4442	5050	5335
85°	3083	4240	4794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.8	3.6
10°-20°	1564.1	10.3
20°-30°	2324.4	15.3
30°-40°	2717.8	17.9
40°-50°	2709.7	17.8
50°-60°	2351.1	15.5
60°-70°	1736.5	11.4
70°-80°	972.3	6.4
80°-90°	259.4	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°	4438.4	29.2
0°-40°	7156.2	47.1
0°-60°	12217.0	80.4
0°-90°	15185.2	100.0
90°-120°	0.8	0.0
90°-150°	0.8	0.0
90°-180°	1.0	0.0
0°-180°	15186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5814	5814	5814	5814	5814	
5°	5758	5795	5775	5800	5808	547
15°	5509	5548	5539	5566	5566	1554
25°	5016	5056	5045	5056	5037	2313
35°	4340	4378	4351	4350	4323	2711
45°	3507	3544	3516	3502	3480	2707
55°	2628	2646	2628	2624	2605	2350
65°	1736	1754	1754	1763	1758	1717
75°	868	894	924	931	939	925
85°	166	201	229	249	259	202
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°	5813.6	5813.6	5813.6	5813.6	5813.6
2.5°	5781.8	5816.3	5792.2	5815.1	5841.8
5°	5758.5	5794.8	5774.8	5800.3	5807.7
7.5°	5724.6	5759.7	5740.5	5766.0	5773.7
10°	5666.8	5705.0	5689.8	5718.6	5726.8
12.5°	5599.6	5635.4	5625.4	5659.1	5664.6
15°	5509.4	5547.9	5539.3	5566.0	5566.3
17.5°	5409.6	5445.8	5439.5	5460.2	5459.4
20°	5299.0	5337.8	5324.6	5347.1	5340.0
22.5°	5168.2	5209.5	5192.9	5211.8	5194.0
25°	5016.2	5056.5	5044.7	5055.7	5037.3
27.5°	4869.0	4906.0	4881.6	4894.9	4875.3
30°	4704.9	4736.3	4717.5	4721.9	4698.2
32.5°	4520.4	4557.7	4534.8	4534.1	4508.9
35°	4340.0	4378.0	4351.1	4350.3	4323.4
37.5°	4140.3	4175.8	4144.0	4145.9	4114.5
40°	3936.6	3967.3	3936.6	3935.1	3906.3
42.5°	3715.5	3756.2	3728.1	3731.4	3693.0
45°	3506.7	3544.0	3516.3	3501.8	3480.4
47.5°	3298.6	3314.8	3291.9	3288.2	3257.9
50°	3078.2	3090.4	3073.0	3068.6	3034.6
52.5°	2850.5	2871.5	2849.3	2843.4	2820.9
55°	2627.9	2646.0	2628.2	2623.8	2604.6
57.5°	2403.8	2427.5	2409.4	2404.9	2389.4
60°	2179.8	2186.8	2182.4	2189.0	2173.9
62.5°	1957.2	1973.5	1978.7	1976.8	1965.0
65°	1736.5	1753.5	1753.9	1762.8	1758.3
67.5°	1510.6	1532.8	1539.1	1548.3	1552.4
70°	1298.0	1315.0	1333.6	1339.0	1335.0
72.5°	1084.0	1111.3	1132.1	1136.8	1154.2
75°	868.1	893.9	924.3	930.9	938.7
77.5°	667.7	702.1	729.4	738.3	747.9
80°	477.7	515.7	543.1	555.3	573.8
82.5°	313.5	352.3	380.1	392.2	414.8
85°	166.4	201.1	228.9	249.2	258.8
87.5°	49.2	78.7	94.6	100.5	109.1
90°	0.0	3.7	4.4	10.0	9.3
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)