

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: P730419

Luminaire Tested: **HBLED-LD5-15HE-W-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLI-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15513.0 lumens
Efficiency: N/A
Efficacy: 170.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

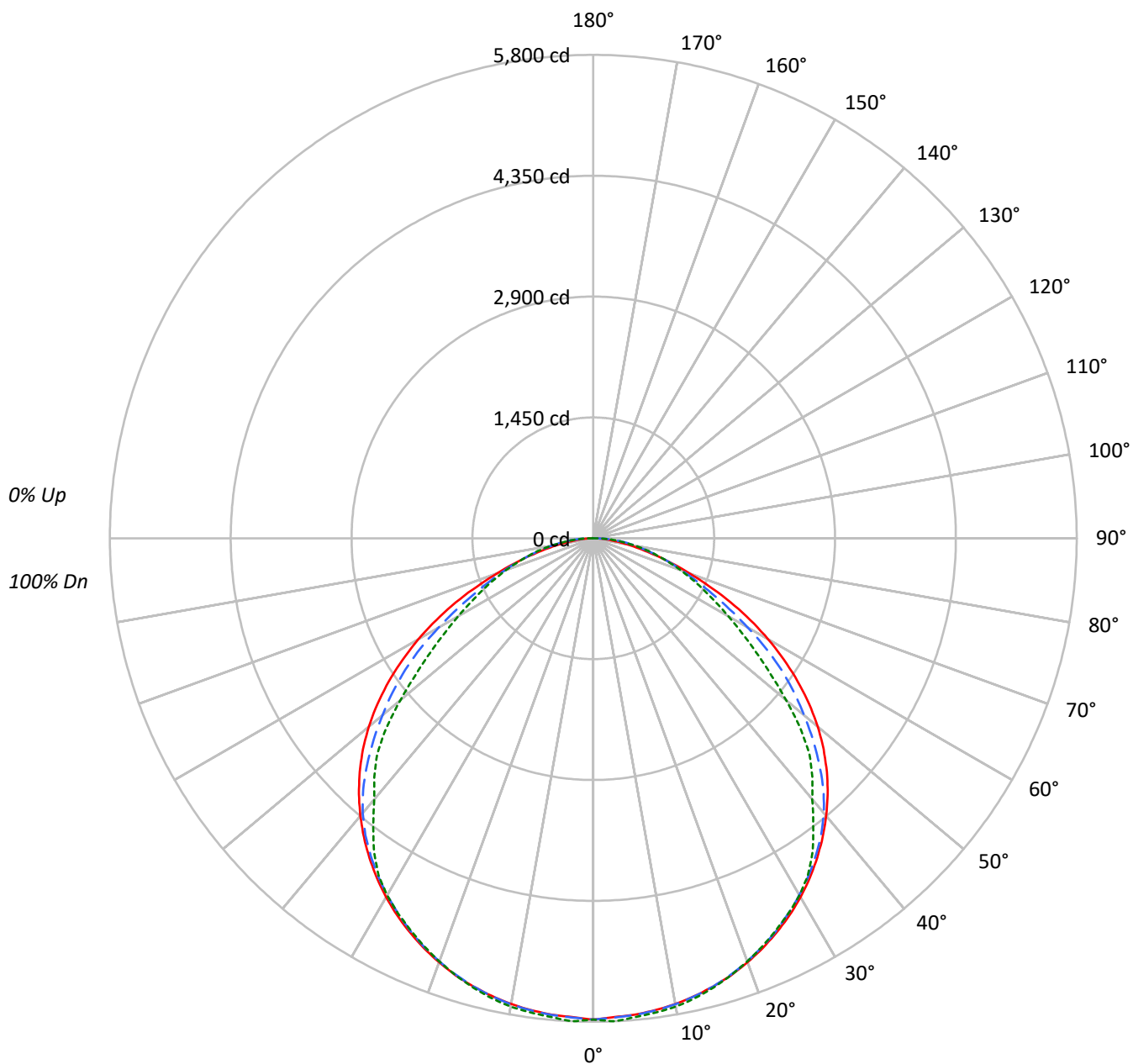
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9323	9323	9323
5°	9298	9304	9346
10°	9303	9307	9356
15°	9304	9303	9325
20°	9302	9280	9283
25°	9287	9253	9242
30°	9272	9217	9222
35°	9229	9172	9042
40°	9163	9070	8612
45°	9047	8757	8374
50°	8829	8291	7584
55°	8427	7754	6706
60°	7821	6919	6048
65°	6952	5990	5561
70°	5769	5353	5242
75°	4666	4900	4960
80°	3706	4686	4667
85°	2901	5033	4802



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.6	3.5
10°-20°	1575.1	10.2
20°-30°	2401.7	15.5
30°-40°	2905.7	18.7
40°-50°	2943.2	19.0
50°-60°	2432.6	15.7
60°-70°	1606.7	10.4
70°-80°	837.8	5.4
80°-90°	262.6	1.7
90°-100°	0.0	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°	4524.3	29.2
0°-40°	7430.0	47.9
0°-60°	12805.8	82.5
0°-90°	15513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5774	5774	5774	5774	5774	
5°	5737	5771	5741	5766	5766	546
15°	5566	5594	5565	5583	5579	1572
25°	5213	5234	5194	5207	5188	2404
35°	4682	4688	4653	4647	4587	2929
45°	3962	3952	3835	3716	3668	3051
55°	2994	2949	2755	2487	2382	2668
65°	1820	1767	1568	1466	1456	1797
75°	748	761	785	796	795	815
85°	157	202	272	270	259	190
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5774.0	5774.0	5774.0	5774.0	5774.0
2.5°	5749.8	5783.7	5755.3	5780.3	5800.4
5°	5736.6	5771.3	5740.7	5765.7	5766.4
7.5°	5711.0	5745.6	5714.4	5739.4	5738.7
10°	5674.2	5706.8	5677.0	5706.8	5706.8
12.5°	5624.3	5656.2	5627.1	5654.8	5650.6
15°	5566.1	5594.5	5565.4	5582.7	5578.6
17.5°	5497.5	5523.1	5490.5	5505.0	5496.8
20°	5413.6	5437.2	5401.1	5419.8	5402.5
22.5°	5319.3	5341.5	5304.7	5318.7	5299.2
25°	5213.3	5234.1	5193.9	5207.0	5187.6
27.5°	5098.9	5117.6	5072.5	5088.5	5073.2
30°	4973.4	4982.5	4943.6	4964.4	4946.4
32.5°	4833.4	4839.0	4805.0	4823.7	4793.2
35°	4682.3	4688.5	4653.2	4646.9	4587.3
37.5°	4520.8	4523.6	4490.3	4434.1	4335.7
40°	4347.5	4346.1	4303.2	4173.5	4086.2
42.5°	4162.4	4161.8	4086.2	3938.5	3888.6
45°	3962.1	3951.7	3835.2	3716.0	3667.5
47.5°	3747.3	3736.1	3573.2	3478.3	3368.1
50°	3515.0	3495.6	3300.8	3171.2	3019.4
52.5°	3264.8	3235.0	3036.7	2827.4	2683.9
55°	2993.8	2949.4	2754.6	2487.1	2382.4
57.5°	2711.7	2645.8	2456.6	2196.0	2110.7
60°	2421.9	2348.4	2142.5	1928.4	1872.9
62.5°	2123.8	2051.1	1841.0	1679.5	1649.0
65°	1819.6	1766.8	1567.9	1466.0	1455.7
67.5°	1507.6	1488.9	1337.1	1285.1	1281.0
70°	1222.1	1218.6	1134.0	1107.6	1110.4
72.5°	976.7	972.5	960.1	946.8	947.5
75°	747.9	761.1	785.4	795.7	795.1
77.5°	558.0	585.0	636.3	657.1	653.6
80°	398.6	438.8	504.0	523.4	501.9
82.5°	265.5	307.8	384.7	387.5	370.1
85°	156.6	201.7	271.7	269.6	259.2
87.5°	77.6	121.3	162.9	155.9	149.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)