

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: P730435

Luminaire Tested: **HBLED-LD5-15HE-W-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-UNV-L850
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16253.0 lumens
Efficiency: N/A
Efficacy: 178.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

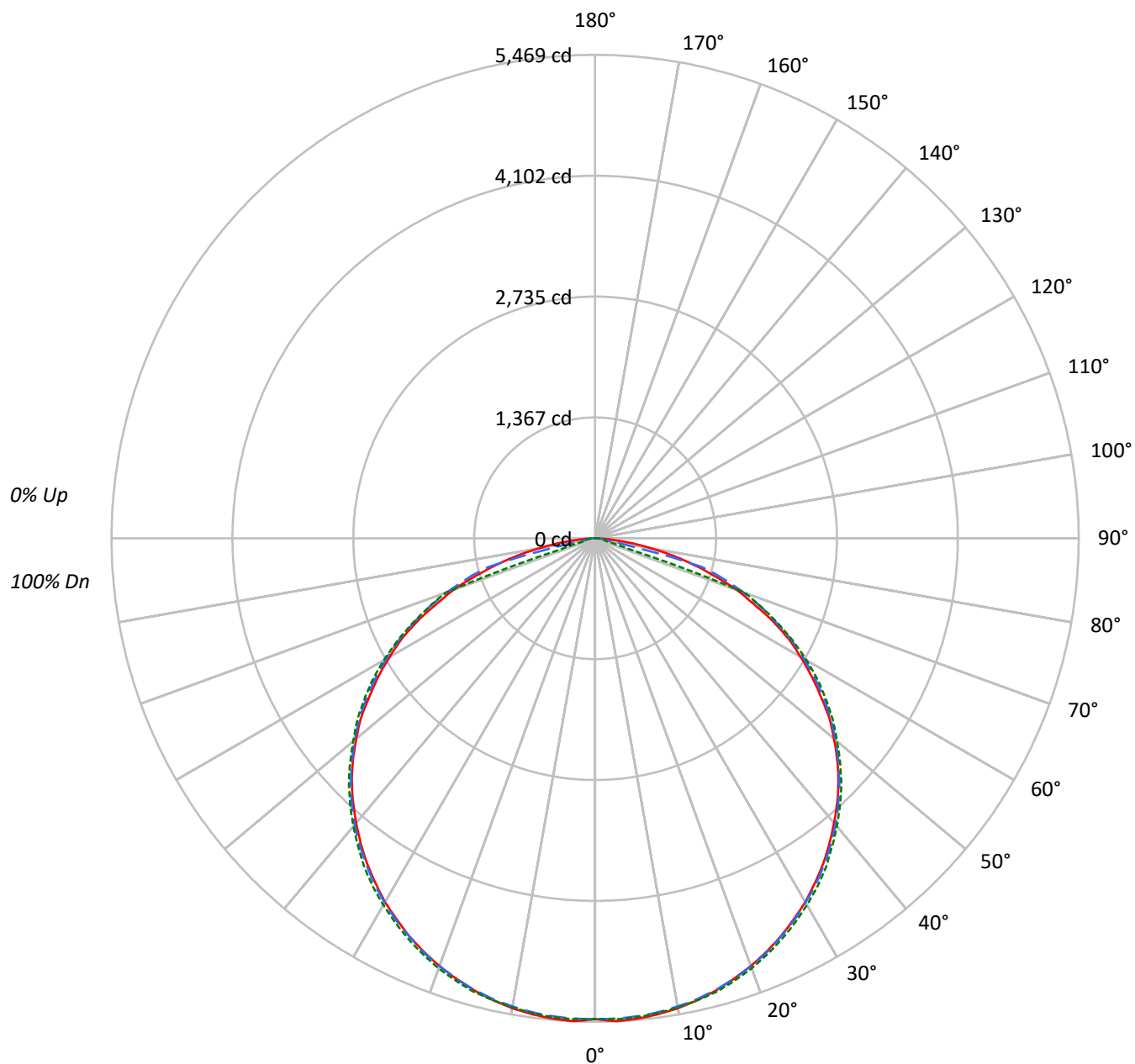
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8781	8781	8781
5°	8844	8799	8815
10°	8849	8817	8835
15°	8848	8836	8876
20°	8847	8849	8895
25°	8852	8856	8910
30°	8861	8873	8931
35°	8860	8888	8962
40°	8861	8917	8966
45°	8886	8919	8991
50°	8859	8911	8969
55°	8762	8884	8980
60°	8662	8803	8912
65°	8471	8646	8711
70°	8042	8385	8488
75°	7173	7777	937
80°	5768	969	1026
85°	3838	1256	1280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.6	3.2
10°-20°	1492.6	9.2
20°-30°	2293.3	14.1
30°-40°	2823.1	17.4
40°-50°	3009.7	18.5
50°-60°	2813.5	17.3
60°-70°	2227.2	13.7
70°-80°	947.6	5.8
80°-90°	129.4	0.8
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°	4302.4	26.5
0°-40°	7125.6	43.8
0°-60°	12948.8	79.7
0°-90°	16253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16253.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5439	5439	5439	5439	5439	
5°	5457	5433	5429	5407	5439	519
15°	5293	5284	5286	5272	5310	1495
25°	4969	4963	4971	4969	5001	2291
35°	4495	4488	4509	4525	4547	2813
45°	3892	3870	3906	3922	3938	2999
55°	3112	3122	3156	3167	3190	2787
65°	2217	2237	2263	2280	2280	2181
75°	1150	1200	1247	204	150	1216
85°	207	62	68	70	69	270
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5438.7	5438.7	5438.7	5438.7	5438.7
2.5°	5469.0	5443.6	5438.7	5416.9	5446.0
5°	5456.9	5432.7	5429.0	5407.2	5438.7
7.5°	5431.4	5412.1	5409.6	5386.6	5418.1
10°	5397.5	5379.4	5378.1	5357.5	5389.0
12.5°	5351.5	5335.7	5340.6	5320.0	5351.5
15°	5293.3	5283.6	5286.1	5271.5	5310.3
17.5°	5223.1	5218.2	5223.1	5212.2	5247.3
20°	5149.2	5143.1	5150.4	5144.3	5177.0
22.5°	5063.1	5055.9	5070.4	5061.9	5092.2
25°	4968.6	4962.6	4971.1	4968.6	5001.3
27.5°	4860.8	4854.7	4872.9	4874.1	4899.6
30°	4753.0	4744.5	4759.0	4765.1	4790.5
32.5°	4624.5	4622.1	4643.9	4648.8	4675.4
35°	4494.9	4487.6	4509.4	4525.2	4547.0
37.5°	4353.2	4351.9	4375.0	4388.3	4399.2
40°	4204.1	4198.1	4230.8	4244.1	4253.8
42.5°	4052.7	4039.4	4070.9	4087.8	4098.7
45°	3891.5	3869.7	3906.1	3921.8	3937.6
47.5°	3714.7	3695.3	3730.4	3747.4	3758.3
50°	3526.9	3508.7	3547.5	3562.0	3570.5
52.5°	3337.9	3319.7	3360.9	3373.0	3393.6
55°	3112.5	3122.2	3156.1	3167.0	3190.1
57.5°	2904.1	2912.6	2945.3	2958.6	2985.3
60°	2682.4	2695.7	2726.0	2739.4	2759.9
62.5°	2468.0	2469.2	2505.5	2511.6	2527.3
65°	2217.2	2236.6	2263.2	2280.2	2280.2
67.5°	1937.3	1984.5	2030.6	2026.9	2036.6
70°	1703.5	1721.6	1776.2	1784.6	1798.0
72.5°	1410.3	1457.5	1518.1	1134.0	385.3
75°	1149.8	1199.5	1246.7	203.5	150.2
77.5°	892.9	931.7	414.4	116.3	113.9
80°	620.3	682.1	104.2	106.6	110.3
82.5°	408.3	333.2	86.0	94.5	95.7
85°	207.2	61.8	67.8	70.3	69.1
87.5°	67.8	37.6	38.8	40.0	41.2
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)