

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: P730439

Luminaire Tested: **HBLED-LD5-15HE-W-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-WG-UNV-L835
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14673.0 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

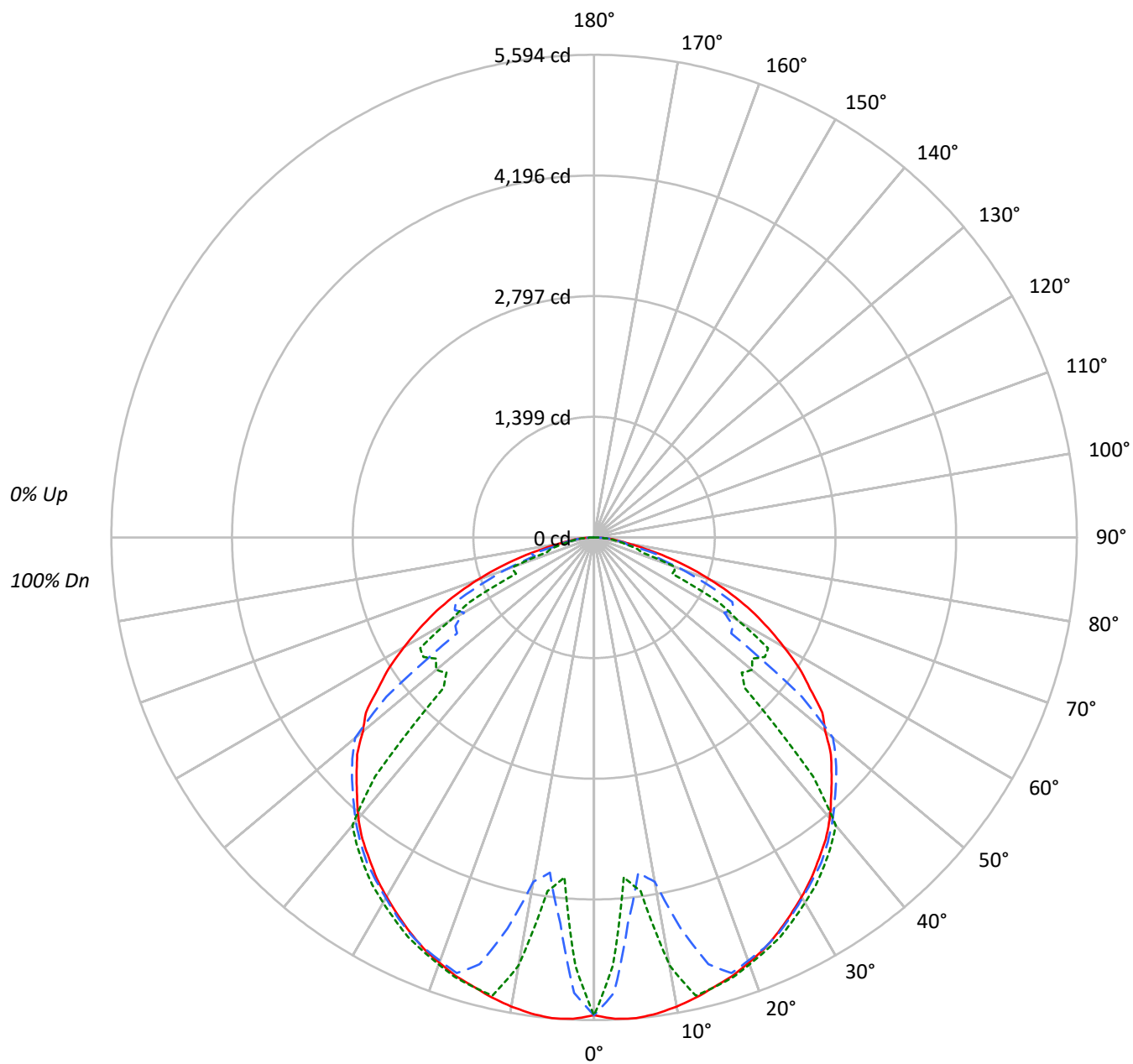
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	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	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8943	8943	8943
5°	9067	7284	6406
10°	9051	6643	8262
15°	9011	8562	9019
20°	9011	8970	9050
25°	8995	9015	9098
30°	8969	8999	9115
35°	8955	9054	9160
40°	8956	9054	9183
45°	8886	9060	5630
50°	8785	9078	6000
55°	8600	5458	6801
60°	8204	5627	6227
65°	7687	6756	3811
70°	6787	5118	4671
75°	5408	4652	3239
80°	3726	3362	2784
85°	3570	3103	2944



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.9	3.0
10°-20°	1387.5	9.5
20°-30°	2282.8	15.6
30°-40°	2870.3	19.6
40°-50°	2815.0	19.2
50°-60°	2332.4	15.9
60°-70°	1645.1	11.2
70°-80°	717.7	4.9
80°-90°	179.3	1.2
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°	4113.2	28.0
0°-40°	6983.4	47.6
0°-60°	12130.8	82.7
0°-90°	14673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5539	5539	5539	5539	5539	
5°	5594	5207	4494	4075	3952	531
15°	5391	3744	5122	5412	5396	1524
25°	5049	4620	5060	5094	5107	2327
35°	4543	4540	4594	4624	4647	2846
45°	3892	3903	3968	3514	2466	3004
55°	3055	3155	1939	2205	2416	2733
65°	2012	2130	1768	1360	997	1978
75°	867	850	746	487	519	930
85°	193	172	168	160	159	200
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5538.6	5538.6	5538.6	5538.6	5538.6
2.5°	5584.3	5468.4	5284.3	5052.5	4970.4
5°	5594.2	5206.8	4494.2	4075.0	3952.4
7.5°	5565.8	4731.9	3918.0	4006.0	4135.9
10°	5520.7	4314.7	4051.8	4767.0	5039.2
12.5°	5463.1	3943.8	4641.8	5384.9	5439.2
15°	5390.9	3743.8	5122.0	5412.1	5395.5
17.5°	5330.0	3861.0	5294.2	5357.8	5345.8
20°	5244.5	4094.8	5220.7	5271.7	5267.0
22.5°	5158.4	4371.6	5151.1	5187.6	5187.6
25°	5049.2	4620.0	5060.4	5094.2	5106.8
27.5°	4929.3	4763.0	4947.1	4975.0	4997.5
30°	4810.7	4783.6	4826.7	4862.4	4888.9
32.5°	4685.6	4675.0	4708.8	4746.5	4780.3
35°	4543.2	4540.5	4593.5	4624.0	4647.2
37.5°	4409.4	4400.2	4449.1	4491.5	4509.4
40°	4249.1	4249.1	4295.5	4338.5	4357.1
42.5°	4066.3	4092.2	4128.0	4172.3	3757.7
45°	3891.5	3903.4	3967.7	3514.0	2465.6
47.5°	3723.3	3738.5	3799.5	2259.0	2320.6
50°	3497.5	3566.3	3614.0	2252.4	2388.8
52.5°	3332.6	3362.3	3033.9	2229.9	2306.7
55°	3055.1	3155.0	1939.1	2204.7	2415.9
57.5°	2818.0	2890.8	1906.7	2259.0	2390.1
60°	2540.5	2651.7	1742.4	2179.6	1928.5
62.5°	2274.2	2380.2	1819.3	1715.3	1633.2
65°	2012.0	2130.5	1768.3	1360.3	997.4
67.5°	1724.5	1614.0	1410.6	958.3	1008.7
70°	1437.8	1127.2	1084.2	1071.6	989.4
72.5°	1143.1	822.5	719.9	804.0	575.5
75°	866.9	849.7	745.7	487.4	519.2
77.5°	601.3	613.3	399.3	475.5	394.7
80°	400.7	347.1	361.6	303.3	299.4
82.5°	277.5	283.4	237.7	230.4	233.8
85°	192.7	171.5	167.5	160.3	158.9
87.5°	64.2	74.9	69.6	62.9	66.9
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)