

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: P730510

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730510
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-LD5-15SE-W-WG-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16010.0 lumens
Efficiency: N/A
Efficacy: 170.3 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

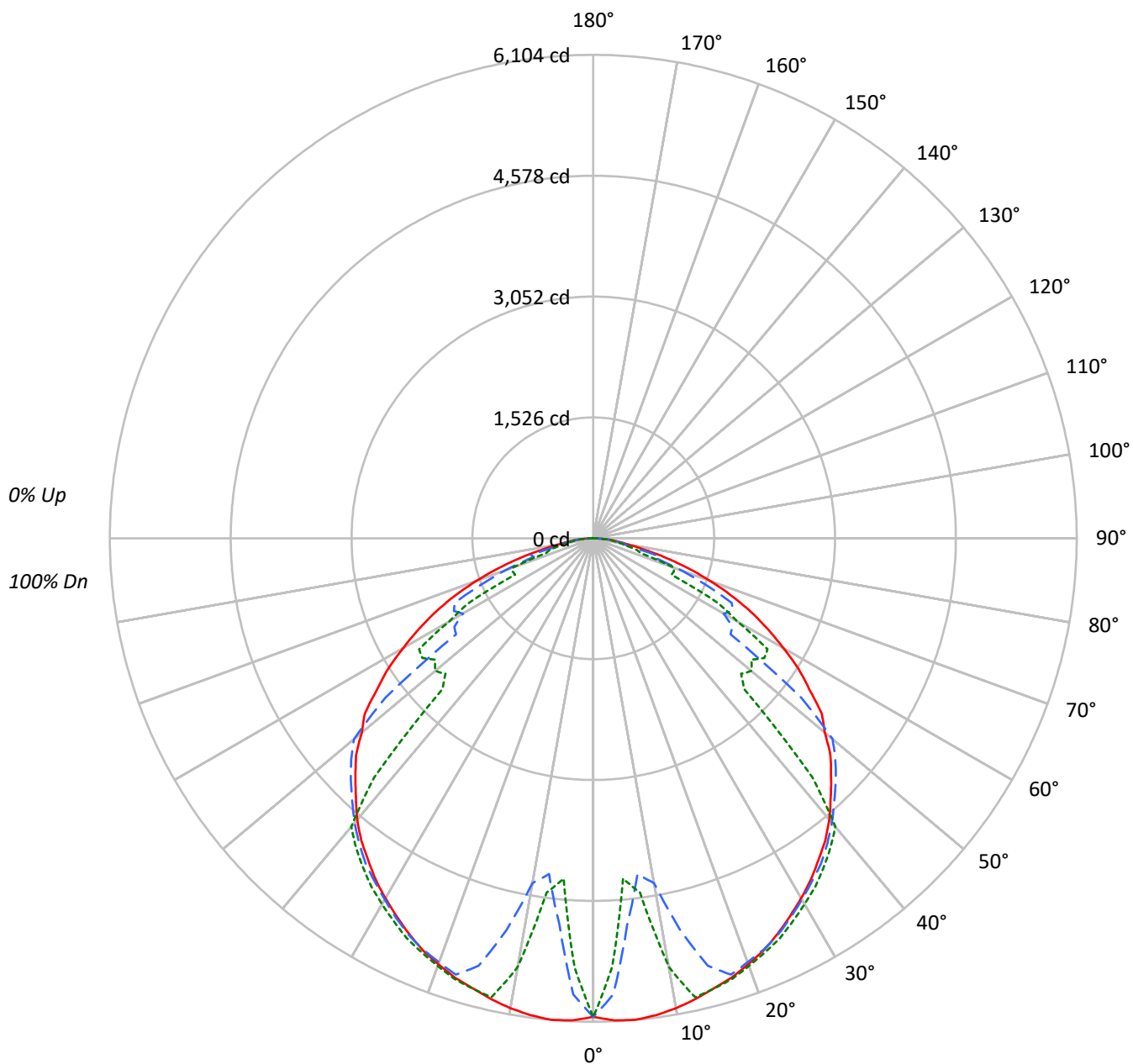
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	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	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9757	9757	9757
5°	9893	7948	6990
10°	9876	7248	9015
15°	9832	9342	9841
20°	9832	9788	9875
25°	9815	9837	9927
30°	9786	9819	9945
35°	9771	9879	9994
40°	9772	9879	10020
45°	9695	9885	6143
50°	9585	9905	6547
55°	9384	5956	7420
60°	8951	6139	6795
65°	8387	7371	4157
70°	7406	5585	5097
75°	5901	5076	3534
80°	4065	3668	3037
85°	3896	3386	3212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.3	3.0
10°-20°	1514.0	9.5
20°-30°	2490.8	15.6
30°-40°	3131.8	19.6
40°-50°	3071.5	19.2
50°-60°	2544.9	15.9
60°-70°	1795.0	11.2
70°-80°	783.1	4.9
80°-90°	195.7	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°	4488.0	28.0
0°-40°	7619.8	47.6
0°-60°	13236.2	82.7
0°-90°	16010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6043	6043	6043	6043	6043	
5°	6104	5681	4904	4446	4313	580
15°	5882	4085	5589	5905	5887	1663
25°	5509	5041	5522	5558	5572	2539
35°	4957	4954	5012	5045	5071	3106
45°	4246	4259	4329	3834	2690	3278
55°	3334	3442	2116	2406	2636	2982
65°	2195	2325	1929	1484	1088	2159
75°	946	927	814	532	566	1014
85°	210	187	183	175	173	218
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6043.3	6043.3	6043.3	6043.3	6043.3
2.5°	6093.1	5966.7	5765.8	5512.8	5423.3
5°	6104.0	5681.2	4903.7	4446.3	4312.6
7.5°	6072.9	5163.1	4275.0	4371.1	4512.8
10°	6023.8	4707.9	4421.0	5201.4	5498.4
12.5°	5960.9	4303.2	5064.8	5875.6	5934.8
15°	5882.1	4085.0	5588.7	5905.3	5887.2
17.5°	5815.6	4212.9	5776.6	5846.0	5832.9
20°	5722.4	4468.0	5696.4	5752.0	5747.0
22.5°	5628.5	4770.0	5620.5	5660.3	5660.3
25°	5509.2	5041.0	5521.5	5558.4	5572.1
27.5°	5378.4	5197.0	5397.9	5428.3	5452.8
30°	5249.1	5219.5	5266.5	5305.5	5334.3
32.5°	5112.5	5101.0	5137.8	5179.0	5215.8
35°	4957.1	4954.2	5012.1	5045.3	5070.6
37.5°	4811.2	4801.1	4854.5	4900.8	4920.3
40°	4636.3	4636.3	4686.9	4733.9	4754.1
42.5°	4436.8	4465.1	4504.1	4552.5	4100.1
45°	4246.1	4259.1	4329.2	3834.2	2690.3
47.5°	4062.5	4079.1	4145.7	2464.8	2532.1
50°	3816.1	3891.3	3943.3	2457.7	2606.5
52.5°	3636.2	3668.7	3310.3	2433.1	2516.9
55°	3333.5	3442.5	2115.8	2405.6	2636.1
57.5°	3074.8	3154.3	2080.4	2464.8	2607.9
60°	2772.0	2893.4	1901.2	2378.2	2104.2
62.5°	2481.5	2597.1	1985.0	1871.6	1782.0
65°	2195.3	2324.6	1929.4	1484.3	1088.2
67.5°	1881.7	1761.0	1539.2	1045.6	1100.6
70°	1568.8	1229.9	1183.0	1169.2	1079.6
72.5°	1247.2	897.5	785.5	877.3	628.0
75°	945.9	927.1	813.7	531.8	566.5
77.5°	656.1	669.1	435.7	518.8	430.7
80°	437.2	378.7	394.5	330.9	326.6
82.5°	302.8	309.3	259.4	251.4	255.1
85°	210.3	187.2	182.8	174.9	173.4
87.5°	70.1	81.7	75.9	68.7	73.0
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)