

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: P730378

Luminaire Tested: **HBLED-LD5-15HE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CL-WG-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15168.0 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

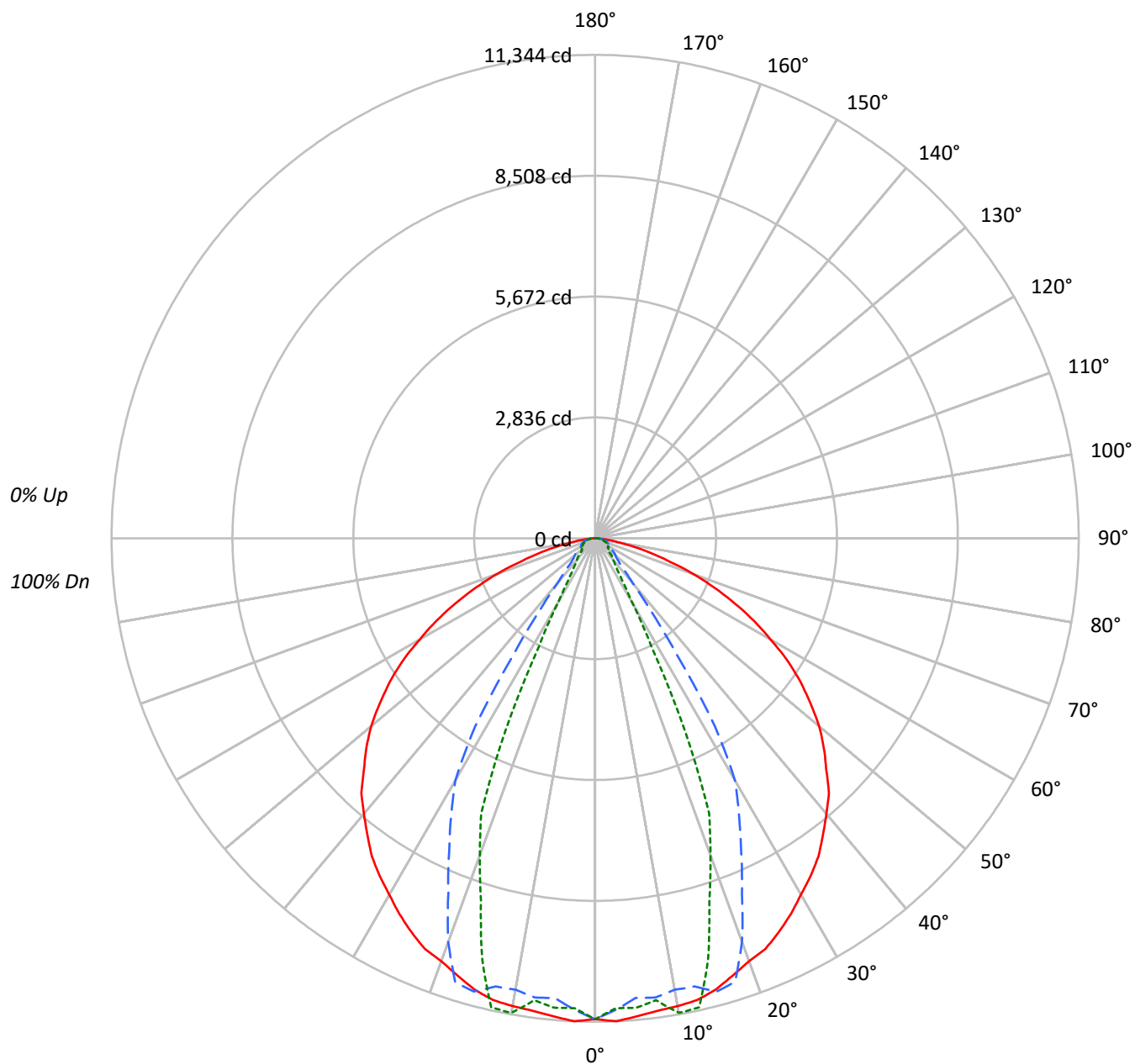
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	108	104	101	109	105	103	100		101	99	97			98	96	94			94
2	104	97	92	88	101	96	91	87		92	88	85			89	86	83			86
3	97	89	82	77	95	87	81	76		84	79	75			82	77	74			79
4	90	81	74	68	88	80	73	68		77	72	67			75	70	66			73
5	85	74	67	62	83	73	66	61		71	65	61			69	64	60			68
6	79	68	61	56	78	68	61	56		66	60	55			64	59	55			63
7	75	63	56	51	73	63	56	51		61	55	50			60	54	50			59
8	70	59	52	47	69	58	51	47		57	51	46			56	50	46			55
9	66	55	48	43	65	54	48	43		53	47	43			52	47	43			52
10	63	52	45	40	62	51	45	40		50	44	40			49	44	40			48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18217	18217	18217
5°	18247	17552	17922
10°	18274	17637	18542
15°	18314	18410	17111
20°	18141	17315	13581
25°	18167	14435	8872
30°	18004	12229	3187
35°	17985	6624	1793
40°	17782	2888	1404
45°	17507	1785	1101
50°	17234	1555	1039
55°	16557	1348	1017
60°	15361	1208	1093
65°	13808	1365	1194
70°	11580	1468	1231
75°	8657	1674	1333
80°	5437	1944	1520
85°	3620	2436	2225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1045.8	6.9
10°-20°	2953.0	19.5
20°-30°	3616.0	23.8
30°-40°	2839.6	18.7
40°-50°	2105.8	13.9
50°-60°	1282.0	8.5
60°-70°	767.9	5.1
70°-80°	421.3	2.8
80°-90°	136.6	0.9
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°	7614.7	50.2
0°-40°	10454.4	68.9
0°-60°	13842.1	91.3
0°-90°	15168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11283	11283	11283	11283	11283	
5°	11258	10952	10830	10949	11058	###
15°	10956	10656	11014	10569	10236	3085
25°	10198	10230	8103	6355	4980	4694
35°	9125	8300	3361	1125	910	5694
45°	7667	5505	782	592	482	5929
55°	5882	1517	479	405	361	5234
65°	3614	447	357	336	312	3571
75°	1388	282	268	233	214	1503
85°	195	154	132	121	120	238
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11282.7	11282.7	11282.7	11282.7	11282.7
2.5°	11344.3	11191.5	11074.4	11009.0	11035.6
5°	11258.4	10951.9	10829.5	10948.9	11057.6
7.5°	11183.8	10728.4	10866.8	10877.5	10934.5
10°	11145.9	10707.1	10757.3	10993.7	11309.3
12.5°	11095.7	10756.5	10774.0	11096.4	11274.3
15°	10956.5	10656.1	11013.5	10568.7	10236.4
17.5°	10753.5	10421.9	10913.1	9362.7	8911.1
20°	10558.0	10167.2	10077.5	8340.0	7904.3
22.5°	10431.8	10128.5	9002.3	7431.3	6981.1
25°	10197.6	10229.6	8102.8	6355.3	4979.8
27.5°	9939.9	9991.6	7307.4	4238.5	2853.0
30°	9657.0	9716.3	6559.1	2504.7	1709.4
32.5°	9400.8	9066.2	5238.3	1562.6	1188.5
35°	9124.7	8300.4	3360.9	1124.6	909.5
37.5°	8777.2	7495.9	2127.6	889.6	763.5
40°	8436.6	6773.6	1370.2	759.6	666.1
42.5°	8118.0	6178.2	996.9	663.8	601.5
45°	7667.1	5505.2	781.7	592.3	482.1
47.5°	7277.0	4716.0	683.6	501.1	416.0
50°	6861.0	3605.8	619.0	445.6	413.7
52.5°	6367.5	2358.7	571.8	426.6	386.3
55°	5881.7	1517.0	479.0	405.3	361.2
57.5°	5357.0	961.9	422.8	393.1	377.1
60°	4757.0	648.6	374.1	372.6	338.4
62.5°	4201.9	533.0	361.2	357.4	320.1
65°	3614.2	447.1	357.4	336.1	312.5
67.5°	3027.1	383.3	323.2	307.2	286.6
70°	2453.0	350.6	311.0	304.2	260.8
72.5°	1862.9	288.9	276.0	257.8	216.7
75°	1387.7	282.1	268.4	233.4	213.7
77.5°	939.1	260.1	244.1	209.1	193.2
80°	584.8	238.8	209.1	183.3	163.5
82.5°	347.5	199.2	171.9	151.3	138.4
85°	195.4	153.6	131.5	120.9	120.1
87.5°	41.8	55.5	44.1	41.8	29.6
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)