

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: P730376

Luminaire Tested: **HBLED-LD5-15HE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730376
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-L735
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: 14376.0 lumens
Efficiency: N/A
Efficacy: 157.6 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

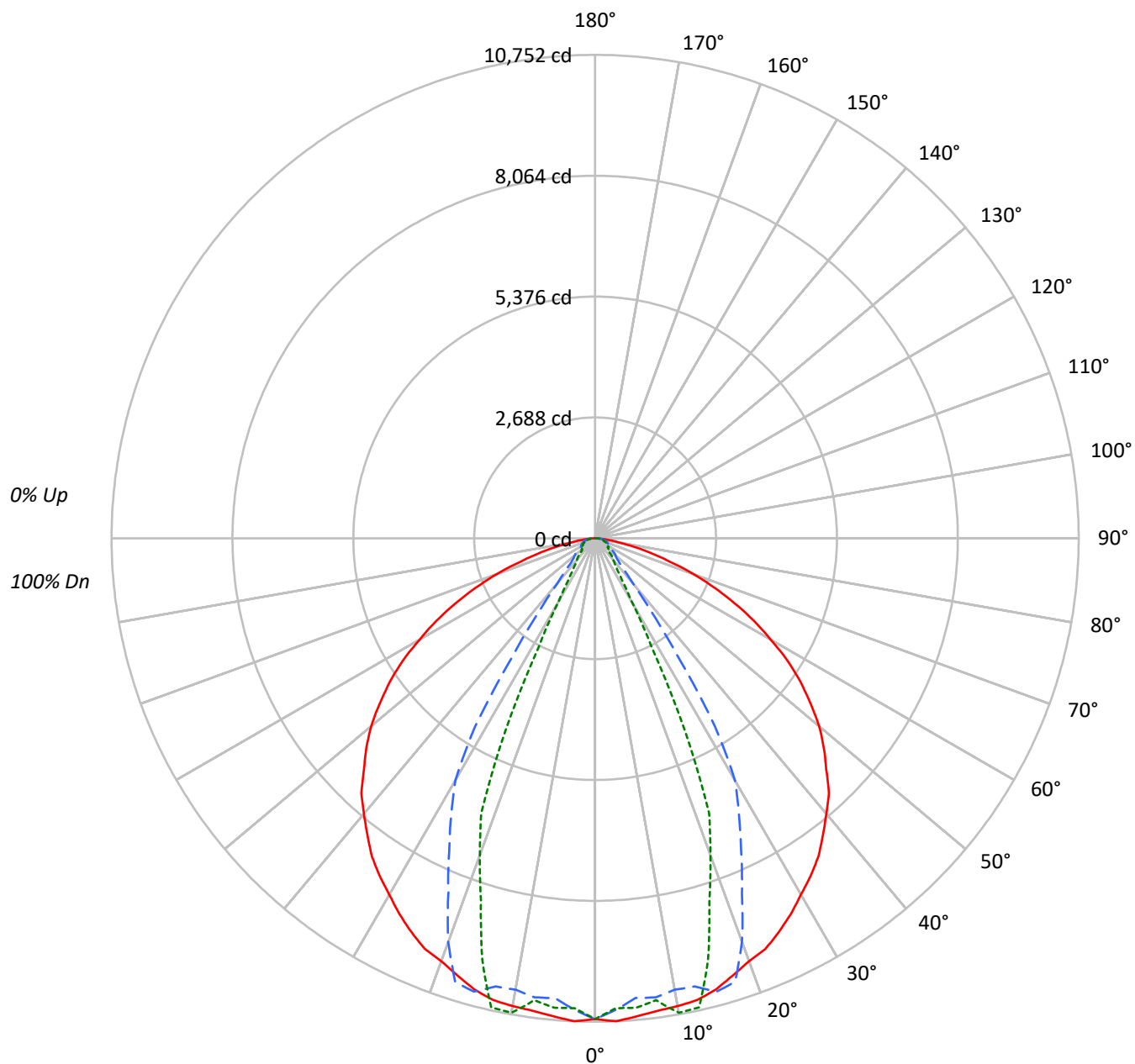
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730376

CATALOG NUMBER: HBLED-LD5-15HE-N-CL-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730376

CATALOG NUMBER: HBLED-LD5-15HE-N-CL-WG-UNV-L735

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17266	17266	17266
5°	17294	16635	16986
10°	17319	16716	17573
15°	17358	17448	16217
20°	17194	16411	12872
25°	17219	13681	8408
30°	17064	11590	3020
35°	17046	6279	1699
40°	16853	2737	1331
45°	16593	1692	1043
50°	16334	1473	985
55°	15692	1278	964
60°	14559	1145	1036
65°	13087	1294	1132
70°	10976	1392	1167
75°	8205	1587	1263
80°	5153	1843	1440
85°	3431	2310	2110



TEST NUMBER: P730376

CATALOG NUMBER: HBLED-LD5-15HE-N-CL-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.2	6.9
10°-20°	2798.8	19.5
20°-30°	3427.2	23.8
30°-40°	2691.4	18.7
40°-50°	1995.8	13.9
50°-60°	1215.0	8.5
60°-70°	727.8	5.1
70°-80°	399.3	2.8
80°-90°	129.5	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°	7217.1	50.2
0°-40°	9908.5	68.9
0°-60°	13119.3	91.3
0°-90°	14376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10694	10694	10694	10694	10694	
5°	10670	10380	10264	10377	10480	###
15°	10384	10100	10438	10017	9702	2924
25°	9665	9695	7680	6024	4720	4449
35°	8648	7867	3185	1066	862	5396
45°	7267	5218	741	561	457	5619
55°	5574	1438	454	384	342	4961
65°	3425	424	339	318	296	3384
75°	1315	267	254	221	202	1424
85°	185	146	125	115	114	226
90°	0	0	0	0	0	



TEST NUMBER: P730376

CATALOG NUMBER: HBLED-LD5-15HE-N-CL-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10693.6	10693.6	10693.6	10693.6	10693.6
2.5°	10751.9	10607.1	10496.1	10434.1	10459.3
5°	10670.5	10380.1	10264.0	10377.2	10480.3
7.5°	10599.9	10168.2	10299.4	10309.5	10363.5
10°	10563.9	10148.0	10195.6	10419.7	10718.8
12.5°	10516.3	10194.9	10211.4	10517.0	10685.6
15°	10384.4	10099.7	10438.5	10016.9	9701.9
17.5°	10192.0	9877.8	10343.3	8873.8	8445.8
20°	10006.7	9636.3	9551.3	7904.5	7491.6
22.5°	9887.1	9599.6	8532.3	7043.3	6616.6
25°	9665.2	9695.4	7679.7	6023.5	4719.8
27.5°	9420.8	9469.9	6925.8	4017.1	2704.0
30°	9152.7	9209.0	6216.6	2373.9	1620.1
32.5°	8909.9	8592.8	4964.8	1481.0	1126.4
35°	8648.3	7867.0	3185.4	1065.9	862.0
37.5°	8318.9	7104.5	2016.5	843.2	723.6
40°	7996.1	6419.9	1298.7	719.9	631.3
42.5°	7694.1	5855.6	944.8	629.2	570.1
45°	7266.7	5217.8	740.9	561.4	456.9
47.5°	6897.0	4469.7	647.9	474.9	394.2
50°	6502.8	3417.5	586.6	422.3	392.1
52.5°	6035.0	2235.5	541.9	404.3	366.1
55°	5574.5	1437.8	454.0	384.1	342.3
57.5°	5077.2	911.7	400.7	372.6	357.4
60°	4508.6	614.7	354.6	353.1	320.7
62.5°	3982.5	505.2	342.3	338.7	303.4
65°	3425.4	423.8	338.7	318.5	296.2
67.5°	2869.1	363.2	306.3	291.1	271.7
70°	2325.0	332.3	294.8	288.3	247.2
72.5°	1765.7	273.8	261.6	244.3	205.4
75°	1315.2	267.4	254.4	221.2	202.5
77.5°	890.1	246.5	231.4	198.2	183.1
80°	554.2	226.3	198.2	173.7	154.9
82.5°	329.3	188.8	162.9	143.4	131.1
85°	185.2	145.6	124.7	114.6	113.9
87.5°	39.6	52.6	41.8	39.6	28.1
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)