

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: P730377

Luminaire Tested: **HBLED-LD5-15HE-N-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730377
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-L740
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: 14812.0 lumens
Efficiency: N/A
Efficacy: 162.4 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

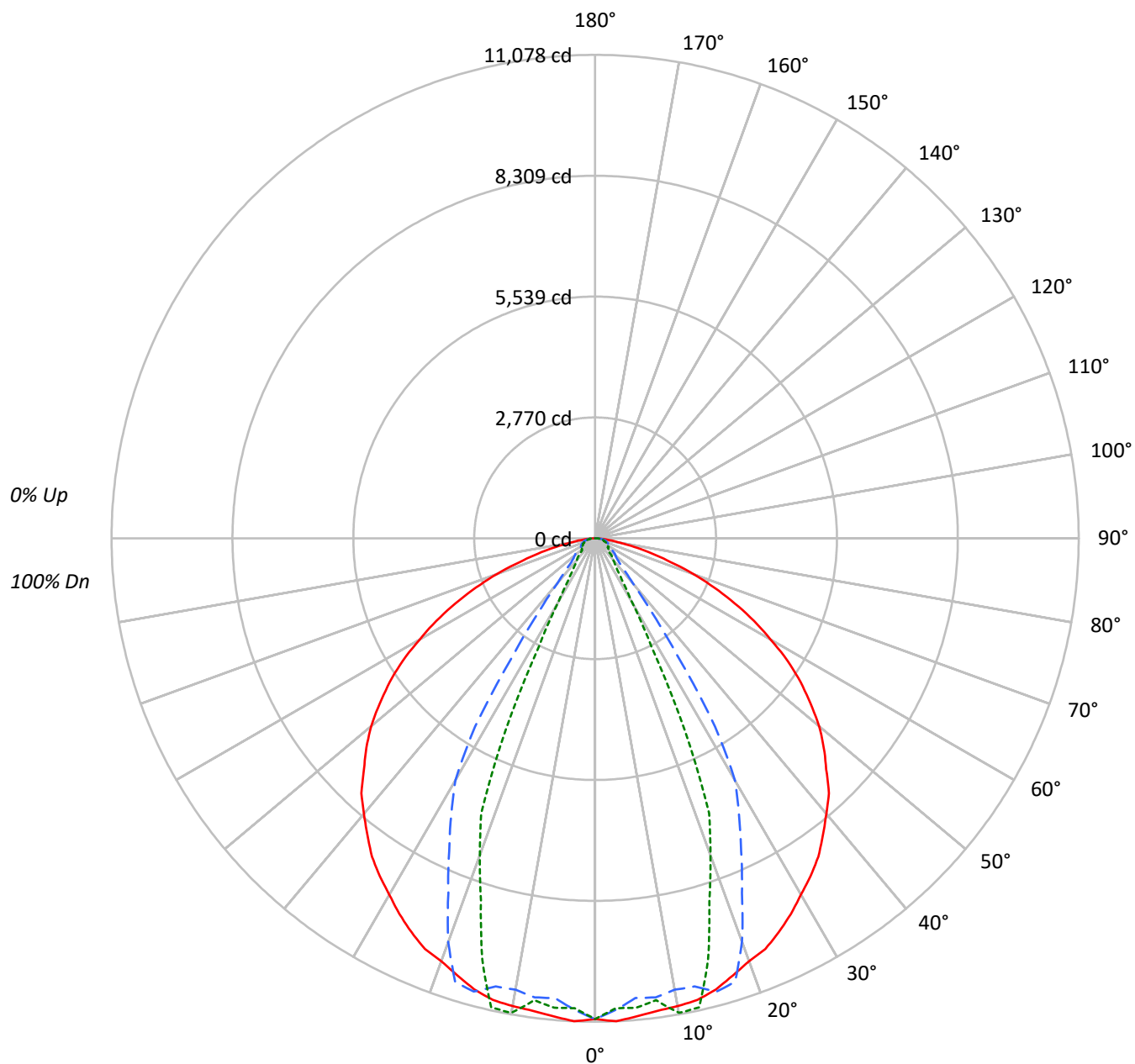
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17789	17789	17789
5°	17819	17140	17501
10°	17845	17223	18106
15°	17885	17977	16709
20°	17715	16909	13263
25°	17741	14096	8663
30°	17582	11942	3112
35°	17563	6469	1750
40°	17364	2820	1371
45°	17096	1743	1075
50°	16829	1518	1015
55°	16168	1317	993
60°	15001	1180	1067
65°	13483	1333	1166
70°	11309	1434	1202
75°	8454	1635	1302
80°	5309	1899	1484
85°	3536	2379	2173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.2	6.9
10°-20°	2883.7	19.5
20°-30°	3531.1	23.8
30°-40°	2773.0	18.7
40°-50°	2056.4	13.9
50°-60°	1251.9	8.5
60°-70°	749.9	5.1
70°-80°	411.4	2.8
80°-90°	133.4	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°	7436.0	50.2
0°-40°	10209.0	68.9
0°-60°	13517.2	91.3
0°-90°	14812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11018	11018	11018	11018	11018	
5°	10994	10695	10575	10692	10798	###
15°	10699	10406	10755	10321	9996	3012
25°	9958	9990	7913	6206	4863	4584
35°	8911	8106	3282	1098	888	5560
45°	7487	5376	763	578	471	5790
55°	5744	1481	468	396	353	5111
65°	3529	437	349	328	305	3487
75°	1355	276	262	228	209	1467
85°	191	150	128	118	117	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11017.9	11017.9	11017.9	11017.9	11017.9
2.5°	11078.0	10928.8	10814.5	10750.6	10776.5
5°	10994.1	10694.9	10575.3	10691.9	10798.1
7.5°	10921.3	10476.6	10611.7	10622.2	10677.8
10°	10884.3	10455.8	10504.8	10735.7	11043.9
12.5°	10835.3	10504.1	10521.1	10836.0	11009.7
15°	10699.4	10406.0	10755.0	10320.7	9996.1
17.5°	10501.1	10177.3	10657.0	9143.0	8701.9
20°	10310.2	9928.6	9841.0	8144.2	7718.8
22.5°	10187.0	9890.7	8791.0	7256.9	6817.3
25°	9958.3	9989.5	7912.6	6206.2	4863.0
27.5°	9706.6	9757.1	7135.9	4139.0	2786.0
30°	9430.3	9488.3	6405.2	2445.9	1669.3
32.5°	9180.1	8853.4	5115.4	1525.9	1160.6
35°	8910.6	8105.6	3282.0	1098.2	888.1
37.5°	8571.2	7320.0	2077.6	868.8	745.5
40°	8238.6	6614.6	1338.1	741.8	650.5
42.5°	7927.4	6033.2	973.5	648.3	587.4
45°	7487.1	5376.0	763.4	578.4	470.8
47.5°	7106.2	4605.3	667.5	489.3	406.2
50°	6700.0	3521.2	604.4	435.1	404.0
52.5°	6218.1	2303.3	558.4	416.6	377.2
55°	5743.6	1481.4	467.8	395.8	352.7
57.5°	5231.2	939.3	412.9	383.9	368.3
60°	4645.4	633.4	365.4	363.8	330.4
62.5°	4103.3	520.5	352.7	349.0	312.6
65°	3529.3	436.6	349.0	328.2	305.2
67.5°	2956.1	374.3	315.6	300.0	279.9
70°	2395.5	342.3	303.7	297.0	254.7
72.5°	1819.2	282.1	269.5	251.7	211.7
75°	1355.1	275.5	262.1	227.9	208.7
77.5°	917.1	254.0	238.4	204.2	188.6
80°	571.0	233.2	204.2	179.0	159.6
82.5°	339.3	194.5	167.8	147.8	135.1
85°	190.9	150.0	128.4	118.1	117.3
87.5°	40.8	54.2	43.1	40.8	28.9
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)