

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: P730373

Luminaire Tested: **HBLED-LD5-15HE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
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-UNV-L835
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13975.0 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

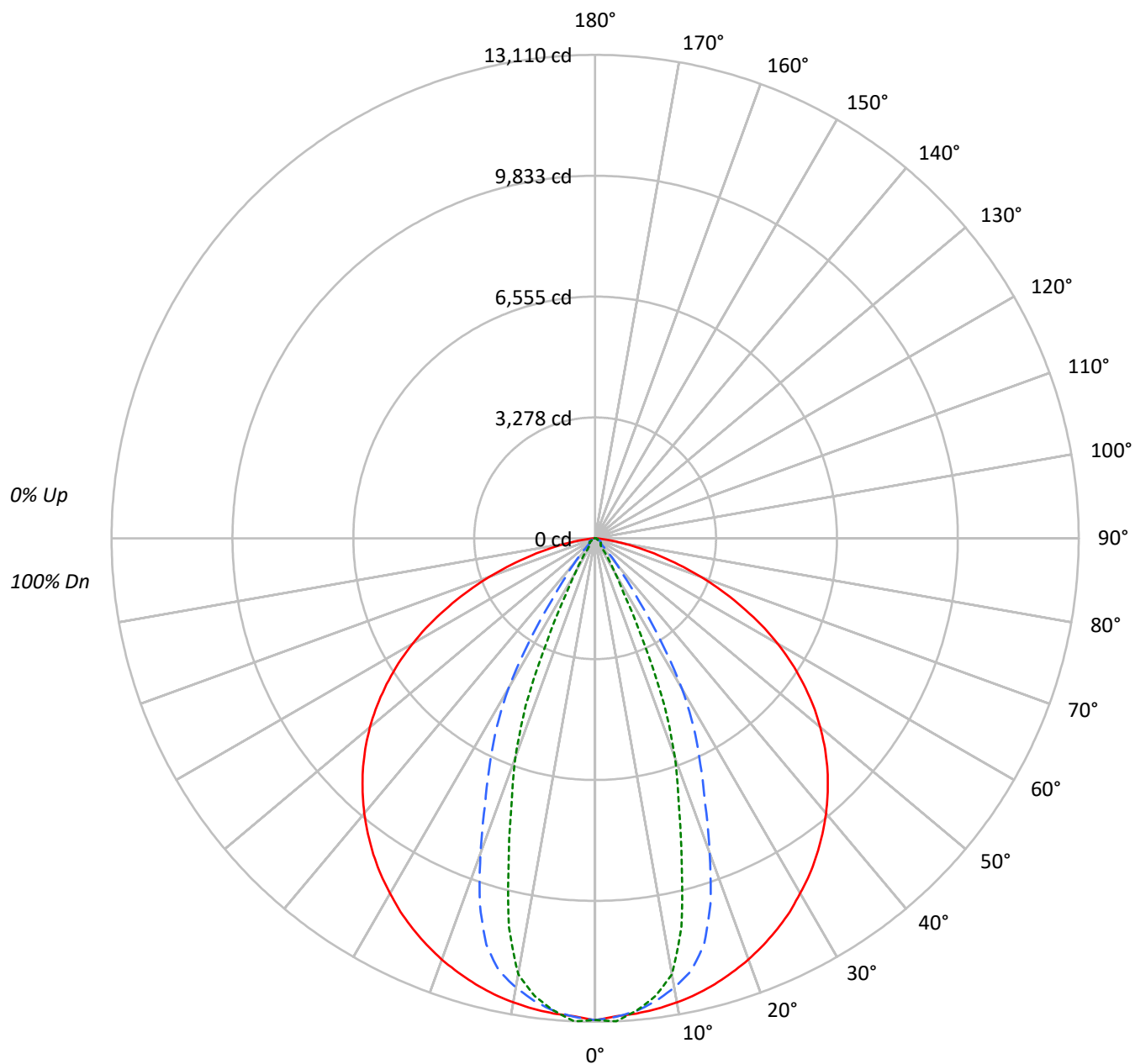
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	105	103	109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	89	83	79		86	81	77		83	79	76		81	78	75
4	92	83	76	71	90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64	85	75	69	64		73	68	63		72	67	63		70	66	62
6	81	71	64	59	80	70	63	58		68	62	58		67	62	58		65	61	57
7	77	66	59	54	75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50	71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46	67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43	64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21098	21098	21098
5°	20968	20859	20844
10°	20954	20282	19683
15°	20930	19072	15135
20°	20889	15608	10856
25°	20824	12025	5517
30°	20725	8776	2007
35°	20651	4030	699
40°	20524	1829	482
45°	20342	682	489
50°	20017	496	514
55°	19425	521	392
60°	18459	557	346
65°	16740	424	281
70°	14353	306	259
75°	10971	271	246
80°	6864	255	268
85°	2167	298	359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1216.5	8.7
10°-20°	3064.5	21.9
20°-30°	3337.4	23.9
30°-40°	2496.6	17.9
40°-50°	1795.1	12.8
50°-60°	1102.5	7.9
60°-70°	634.4	4.5
70°-80°	283.1	2.0
80°-90°	44.9	0.3
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°	7618.5	54.5
0°-40°	10115.0	72.4
0°-60°	13012.6	93.1
0°-90°	13975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13067	13067	13067	13067	13067	
5°	12937	12998	12870	12882	12860	###
15°	12521	12281	11410	9799	9054	3535
25°	11689	10850	6750	4331	3097	5388
35°	10477	7514	2045	601	354	6554
45°	8909	4222	299	221	214	6863
55°	6901	877	185	179	139	6152
65°	4382	96	111	92	74	4337
75°	1759	58	44	45	40	1908
85°	117	11	16	21	19	233
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13067.0	13067.0	13067.0	13067.0	13067.0
2.5°	12976.1	13061.0	12989.4	13053.6	13110.4
5°	12937.3	12998.1	12869.7	12881.7	12860.4
7.5°	12870.4	12885.1	12653.1	12563.5	12520.0
10°	12780.8	12741.4	12370.9	12157.6	12005.8
12.5°	12667.8	12537.4	12019.8	11258.3	10804.3
15°	12521.4	12281.3	11410.1	9799.3	9054.3
17.5°	12346.9	12013.8	10400.3	8167.0	7522.4
20°	12157.6	11718.3	9083.7	6944.1	6318.2
22.5°	11934.3	11340.5	7785.2	5775.2	4916.0
25°	11688.9	10850.4	6750.2	4330.9	3096.6
27.5°	11424.1	10203.8	5791.9	2655.9	1674.3
30°	11116.5	9416.8	4707.4	1490.5	1076.5
32.5°	10816.3	8499.4	3362.7	992.9	688.0
35°	10477.2	7514.4	2044.8	601.1	354.4
37.5°	10118.2	6619.1	1279.8	327.0	244.7
40°	9737.7	5769.9	867.9	232.1	228.7
42.5°	9331.2	5001.6	543.6	220.6	228.0
45°	8908.6	4221.9	298.9	221.3	214.0
47.5°	8449.9	3375.4	208.6	209.3	208.6
50°	7969.1	2421.2	197.3	206.6	204.6
52.5°	7450.9	1503.2	197.9	201.9	181.2
55°	6900.6	877.3	185.2	179.2	139.1
57.5°	6322.2	546.9	181.2	147.8	125.0
60°	5716.4	288.9	172.5	133.1	107.0
62.5°	5071.1	142.4	138.4	113.7	87.6
65°	4381.7	96.3	111.0	92.3	73.5
67.5°	3715.7	86.9	83.6	75.5	64.2
70°	3040.4	79.5	64.8	66.2	54.8
72.5°	2377.8	72.2	52.1	56.8	46.1
75°	1758.6	58.2	43.5	44.8	39.5
77.5°	1223.6	45.5	34.1	38.1	36.8
80°	738.2	28.8	27.4	31.4	28.8
82.5°	357.7	18.7	21.4	24.7	22.7
85°	117.0	11.4	16.1	20.7	19.4
87.5°	14.7	6.7	13.4	18.1	16.7
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)