

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: P730379

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730379
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-L835
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: 13743.0 lumens
Efficiency: N/A
Efficacy: 150.7 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

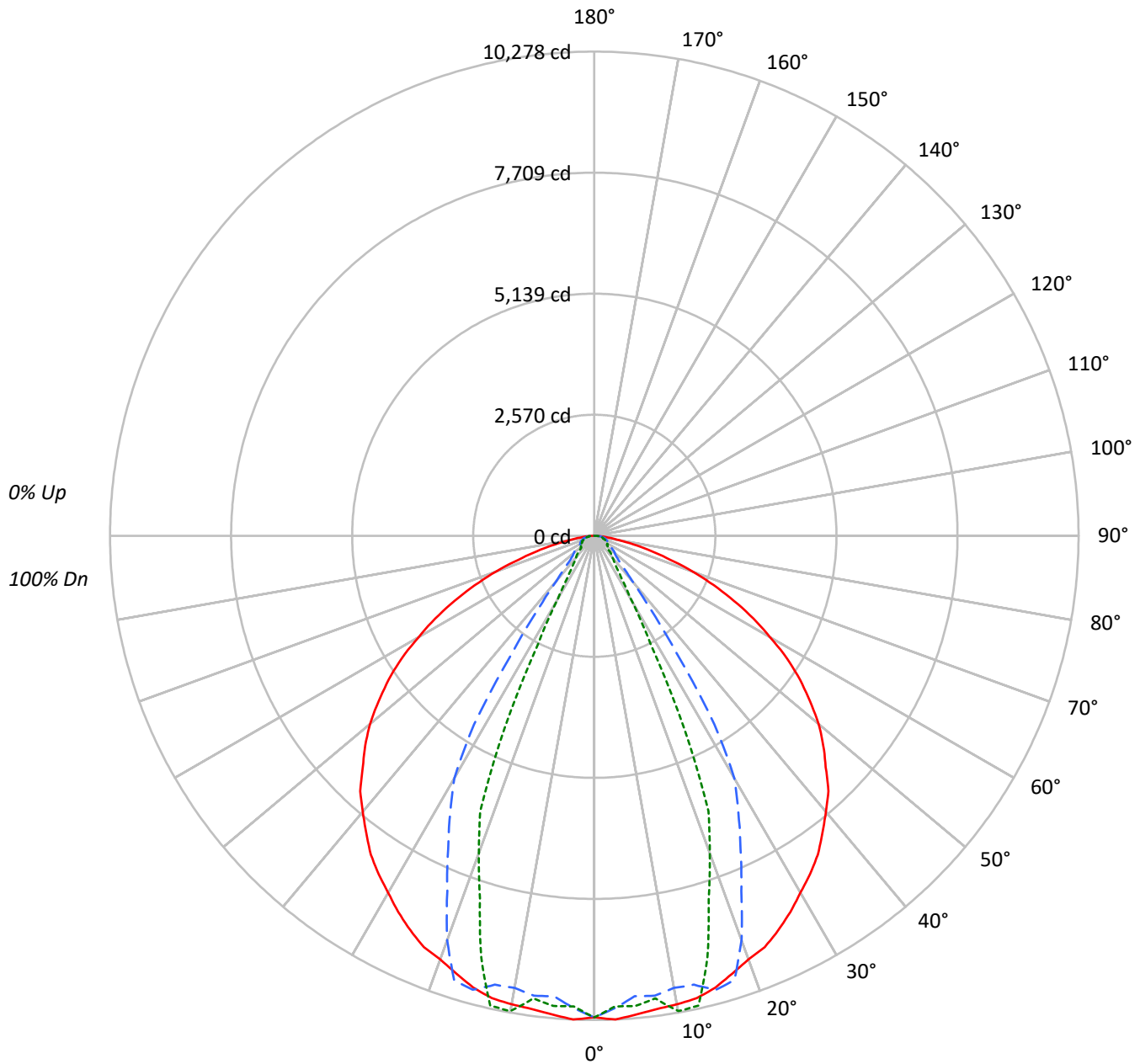
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16505	16505	16505
5°	16533	15903	16238
10°	16557	15980	16800
15°	16594	16680	15503
20°	16437	15689	12305
25°	16460	13079	8038
30°	16313	11080	2888
35°	16296	6002	1624
40°	16111	2617	1272
45°	15862	1617	997
50°	15615	1409	941
55°	15001	1222	921
60°	13918	1095	990
65°	12510	1237	1082
70°	10492	1330	1116
75°	7843	1517	1208
80°	4926	1762	1377
85°	3281	2208	2016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	947.5	6.9
10°-20°	2675.5	19.5
20°-30°	3276.3	23.8
30°-40°	2572.9	18.7
40°-50°	1908.0	13.9
50°-60°	1161.5	8.5
60°-70°	695.8	5.1
70°-80°	381.7	2.8
80°-90°	123.8	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°	6899.3	50.2
0°-40°	9472.2	68.9
0°-60°	12541.7	91.3
0°-90°	13743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10223	10223	10223	10223	10223	
5°	10201	9923	9812	9920	10019	970
15°	9927	9655	9979	9576	9275	2795
25°	9240	9268	7342	5758	4512	4253
35°	8268	7521	3045	1019	824	5159
45°	6947	4988	708	537	437	5372
55°	5329	1374	434	367	327	4742
65°	3275	405	324	304	283	3235
75°	1257	256	243	212	194	1361
85°	177	139	119	110	109	216
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10222.7	10222.7	10222.7	10222.7	10222.7
2.5°	10278.5	10140.0	10034.0	9974.7	9998.8
5°	10200.7	9923.0	9812.1	9920.3	10018.8
7.5°	10133.1	9720.5	9845.9	9855.5	9907.2
10°	10098.7	9701.2	9746.6	9960.9	10246.8
12.5°	10053.3	9746.0	9761.8	10053.9	10215.1
15°	9927.2	9655.0	9978.8	9575.8	9274.7
17.5°	9743.2	9442.8	9887.9	8483.1	8073.9
20°	9566.1	9212.0	9130.8	7556.5	7161.7
22.5°	9451.8	9176.9	8156.6	6733.2	6325.3
25°	9239.6	9268.5	7341.5	5758.3	4512.0
27.5°	9006.0	9052.9	6620.9	3840.3	2584.9
30°	8749.7	8803.5	5942.9	2269.4	1548.8
32.5°	8517.6	8214.4	4746.2	1415.8	1076.8
35°	8267.5	7520.6	3045.2	1019.0	824.0
37.5°	7952.6	6791.7	1927.7	806.1	691.7
40°	7644.0	6137.2	1241.5	688.2	603.5
42.5°	7355.3	5597.8	903.2	601.5	545.0
45°	6946.8	4988.0	708.3	536.7	436.8
47.5°	6593.3	4272.9	619.4	454.0	376.9
50°	6216.4	3267.1	560.8	403.7	374.8
52.5°	5769.3	2137.1	518.1	386.5	350.0
55°	5329.1	1374.5	434.0	367.2	327.2
57.5°	4853.7	871.5	383.1	356.2	341.7
60°	4310.1	587.7	339.0	337.6	306.6
62.5°	3807.1	483.0	327.2	323.8	290.1
65°	3274.6	405.1	323.8	304.5	283.1
67.5°	2742.7	347.3	292.8	278.3	259.7
70°	2222.6	317.6	281.8	275.6	236.3
72.5°	1687.9	261.8	250.1	233.6	196.4
75°	1257.3	255.6	243.2	211.5	193.6
77.5°	850.9	235.6	221.2	189.5	175.0
80°	529.8	216.3	189.5	166.0	148.1
82.5°	314.8	180.5	155.7	137.1	125.4
85°	177.1	139.2	119.2	109.6	108.8
87.5°	37.9	50.3	40.0	37.9	26.9
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)