

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: P730380

Luminaire Tested: **HBLED-LD5-15HE-N-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730380
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-L840
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: 14139.0 lumens
Efficiency: N/A
Efficacy: 155.0 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

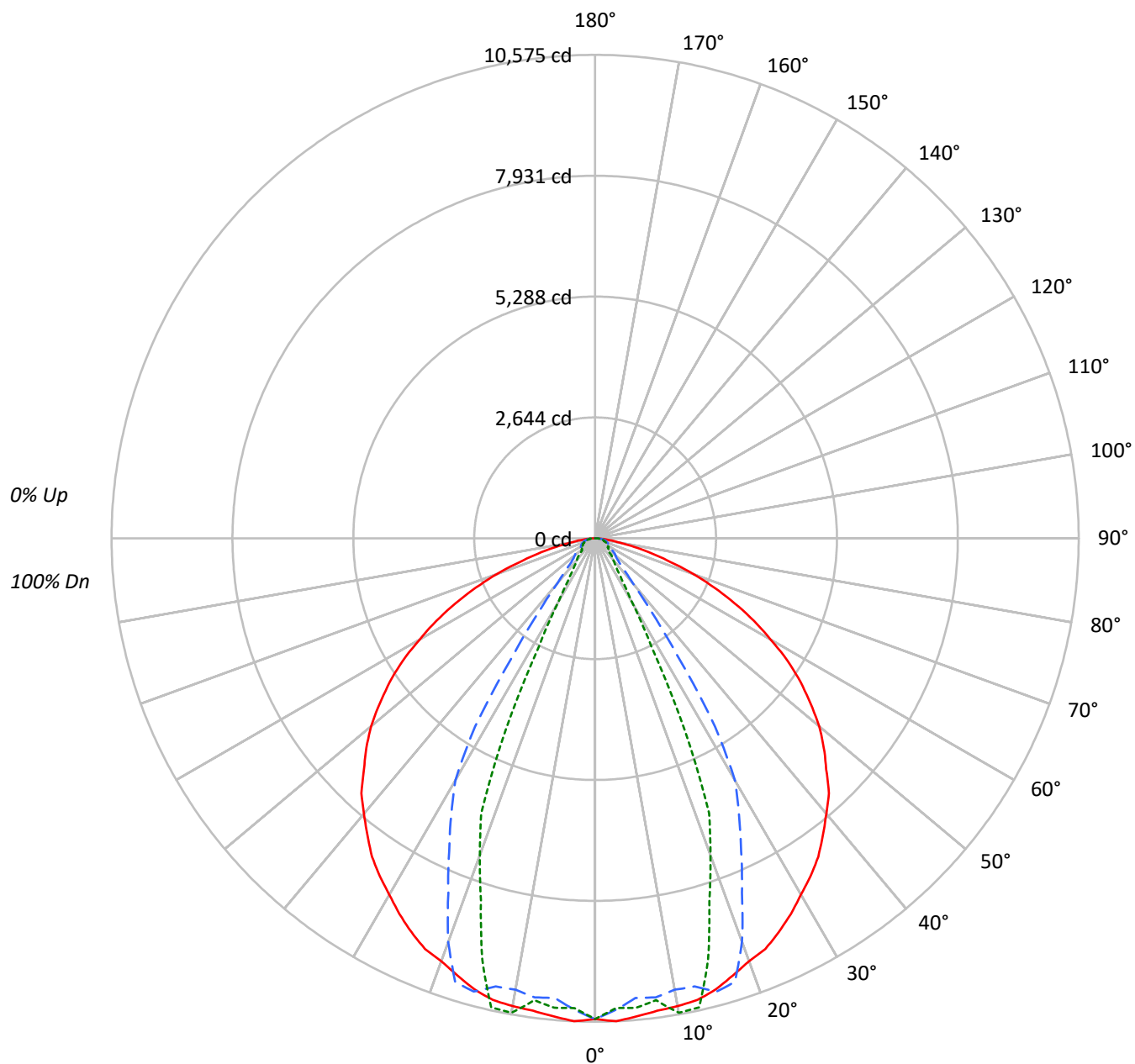
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16981	16981	16981
5°	17009	16361	16706
10°	17034	16440	17284
15°	17072	17161	15950
20°	16910	16141	12660
25°	16935	13456	8270
30°	16783	11399	2971
35°	16765	6175	1671
40°	16576	2692	1309
45°	16319	1664	1026
50°	16065	1449	969
55°	15433	1257	948
60°	14319	1126	1018
65°	12871	1273	1113
70°	10794	1369	1148
75°	8070	1561	1243
80°	5068	1812	1417
85°	3375	2271	2075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	974.8	6.9
10°-20°	2752.6	19.5
20°-30°	3370.7	23.8
30°-40°	2647.0	18.7
40°-50°	1962.9	13.9
50°-60°	1195.0	8.5
60°-70°	715.8	5.1
70°-80°	392.7	2.8
80°-90°	127.4	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°	7098.1	50.2
0°-40°	9745.1	68.9
0°-60°	12903.1	91.3
0°-90°	14139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10517	10517	10517	10517	10517	
5°	10495	10209	10095	10206	10308	998
15°	10213	9933	10266	9852	9542	2876
25°	9506	9536	7553	5924	4642	4376
35°	8506	7737	3133	1048	848	5307
45°	7147	5132	729	552	449	5527
55°	5483	1414	446	378	337	4879
65°	3369	417	333	313	291	3329
75°	1294	263	250	218	199	1401
85°	182	143	123	113	112	222
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10517.3	10517.3	10517.3	10517.3	10517.3
2.5°	10574.7	10432.2	10323.1	10262.1	10286.9
5°	10494.6	10208.9	10094.8	10206.1	10307.5
7.5°	10425.1	10000.6	10129.6	10139.5	10192.7
10°	10389.7	9980.7	10027.5	10247.9	10542.1
12.5°	10343.0	10026.8	10043.1	10343.6	10509.5
15°	10213.2	9933.2	10266.4	9851.7	9542.0
17.5°	10024.0	9714.9	10172.8	8727.5	8306.5
20°	9841.8	9477.5	9393.9	7774.2	7368.0
22.5°	9724.1	9441.3	8391.6	6927.2	6507.5
25°	9505.8	9535.6	7553.1	5924.2	4642.0
27.5°	9265.5	9313.8	6811.7	3950.9	2659.4
30°	9001.9	9057.2	6114.1	2334.8	1593.4
32.5°	8763.0	8451.1	4883.0	1456.6	1107.8
35°	8505.7	7737.3	3132.9	1048.3	847.8
37.5°	8181.8	6987.4	1983.2	829.3	711.7
40°	7864.3	6314.1	1277.3	708.1	620.9
42.5°	7567.2	5759.1	929.2	618.8	560.7
45°	7146.9	5131.8	728.7	552.1	449.4
47.5°	6783.3	4396.1	637.2	467.1	387.7
50°	6395.6	3361.2	577.0	415.4	385.6
52.5°	5935.5	2198.7	533.0	397.6	360.1
55°	5482.6	1414.1	446.5	377.8	336.7
57.5°	4993.5	896.6	394.1	366.4	351.5
60°	4434.3	604.6	348.8	347.3	315.4
62.5°	3916.9	496.9	336.7	333.2	298.4
65°	3369.0	416.8	333.2	313.3	291.3
67.5°	2821.8	357.3	301.3	286.3	267.2
70°	2286.6	326.8	289.9	283.5	243.1
72.5°	1736.6	269.3	257.3	240.3	202.0
75°	1293.6	262.9	250.2	217.6	199.2
77.5°	875.4	242.4	227.5	194.9	180.1
80°	545.1	222.6	194.9	170.8	152.4
82.5°	323.9	185.7	160.2	141.1	129.0
85°	182.2	143.2	122.6	112.7	112.0
87.5°	39.0	51.7	41.1	39.0	27.6
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)