

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: P730447

Luminaire Tested: **HBLED-LD5-15SE-N-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730447
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-LD5-15SE-N-CL-UNV-L850
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14492.0 lumens
Efficiency: N/A
Efficacy: 154.2 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

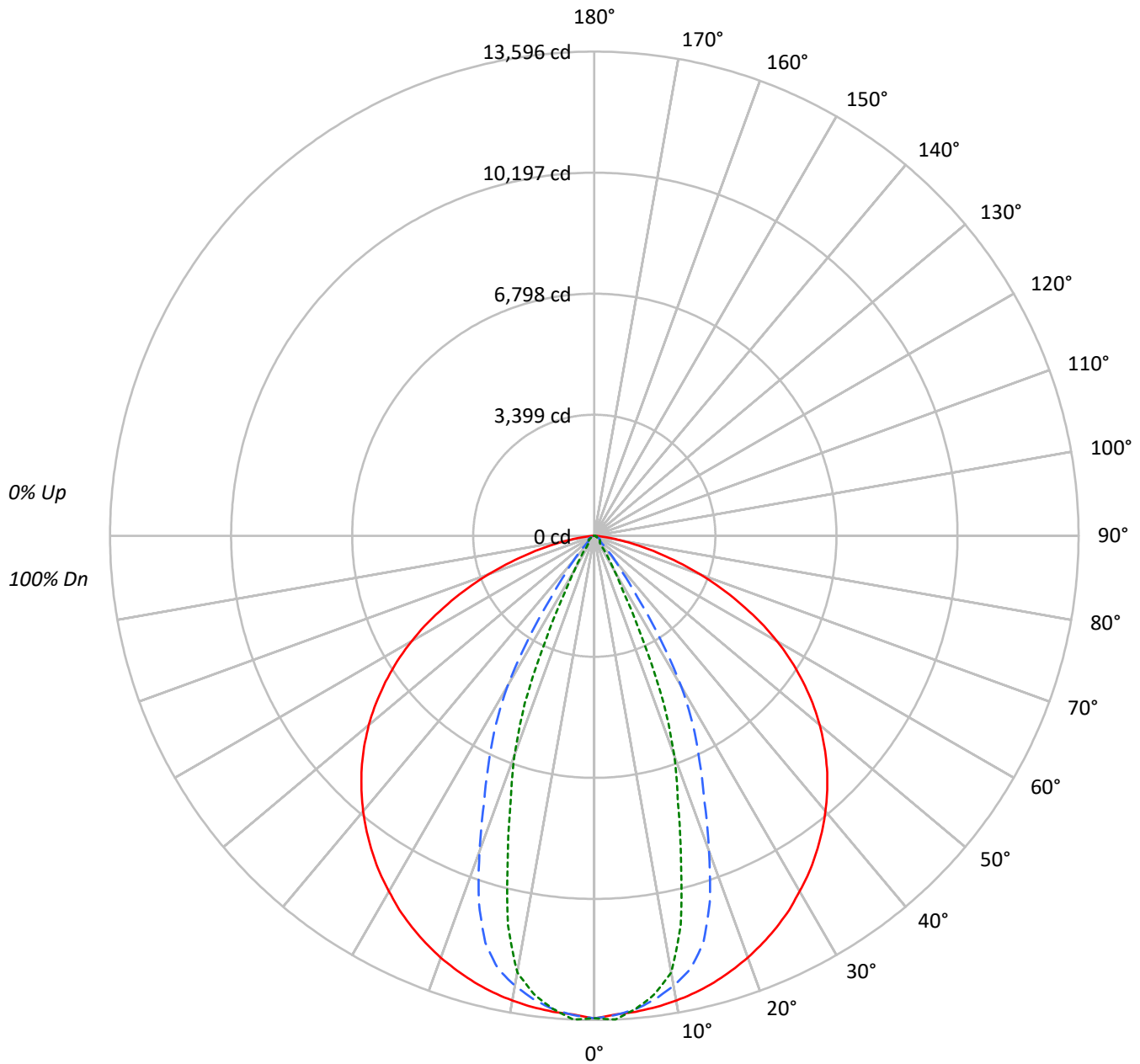
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21878	21878	21878
5°	21744	21630	21615
10°	21729	21032	20412
15°	21704	19778	15695
20°	21662	16185	11258
25°	21594	12470	5721
30°	21492	9101	2081
35°	21415	4179	724
40°	21283	1897	500
45°	21094	708	507
50°	20758	514	533
55°	20143	541	406
60°	19142	578	358
65°	17359	440	291
70°	14884	317	269
75°	11376	281	255
80°	7118	264	277
85°	2249	309	372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1261.5	8.7
10°-20°	3177.9	21.9
20°-30°	3460.9	23.9
30°-40°	2588.9	17.9
40°-50°	1861.5	12.8
50°-60°	1143.2	7.9
60°-70°	657.8	4.5
70°-80°	293.6	2.0
80°-90°	46.6	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°	7900.3	54.5
0°-40°	10489.2	72.4
0°-60°	13494.0	93.1
0°-90°	14492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13550	13550	13550	13550	13550	
5°	13416	13479	13346	13358	13336	###
15°	12985	12736	11832	10162	9389	3665
25°	12121	11252	7000	4491	3211	5587
35°	10865	7792	2120	623	368	6796
45°	9238	4378	310	230	222	7117
55°	7156	910	192	186	144	6380
65°	4544	100	115	96	76	4498
75°	1824	60	45	46	41	1979
85°	121	12	17	22	20	242
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13550.4	13550.4	13550.4	13550.4	13550.4
2.5°	13456.1	13544.1	13470.0	13536.5	13595.5
5°	13415.9	13479.0	13345.9	13358.3	13336.2
7.5°	13346.5	13361.8	13121.2	13028.3	12983.2
10°	13253.6	13212.7	12828.6	12607.4	12450.0
12.5°	13136.5	13001.3	12464.5	11674.7	11204.0
15°	12984.6	12735.7	11832.2	10161.8	9389.3
17.5°	12803.6	12458.3	10785.1	8469.1	7800.7
20°	12607.4	12151.8	9419.8	7201.0	6551.9
22.5°	12375.8	11760.0	8073.2	5988.9	5097.9
25°	12121.3	11251.8	6999.9	4491.2	3211.2
27.5°	11846.7	10581.3	6006.2	2754.2	1736.3
30°	11527.8	9765.1	4881.5	1545.6	1116.4
32.5°	11216.4	8813.8	3487.1	1029.7	713.5
35°	10864.8	7792.4	2120.4	623.4	367.5
37.5°	10492.5	6863.9	1327.2	339.1	253.8
40°	10098.0	5983.3	900.0	240.6	237.2
42.5°	9676.4	5186.6	563.7	228.8	236.4
45°	9238.2	4378.1	310.0	229.5	221.9
47.5°	8762.5	3500.3	216.4	217.0	216.4
50°	8264.0	2510.8	204.6	214.3	212.2
52.5°	7726.5	1558.8	205.3	209.4	187.9
55°	7155.9	909.7	192.1	185.8	144.2
57.5°	6556.1	567.2	187.9	153.3	129.7
60°	5927.9	299.6	178.9	138.0	110.9
62.5°	5258.7	147.7	143.5	117.9	90.9
65°	4543.8	99.9	115.1	95.7	76.3
67.5°	3853.2	90.1	86.7	78.3	66.6
70°	3152.9	82.5	67.2	68.6	56.9
72.5°	2465.8	74.9	54.1	58.9	47.8
75°	1823.6	60.3	45.1	46.4	40.9
77.5°	1268.9	47.2	35.4	39.5	38.1
80°	765.5	29.8	28.4	32.6	29.8
82.5°	371.0	19.4	22.2	25.6	23.5
85°	121.4	11.8	16.7	21.5	20.1
87.5°	15.3	7.0	13.8	18.7	17.3
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)