

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: P730495

Luminaire Tested: **HBLED-LD5-15SE-W-CLI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CLI-UNV-L850
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14926.0 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

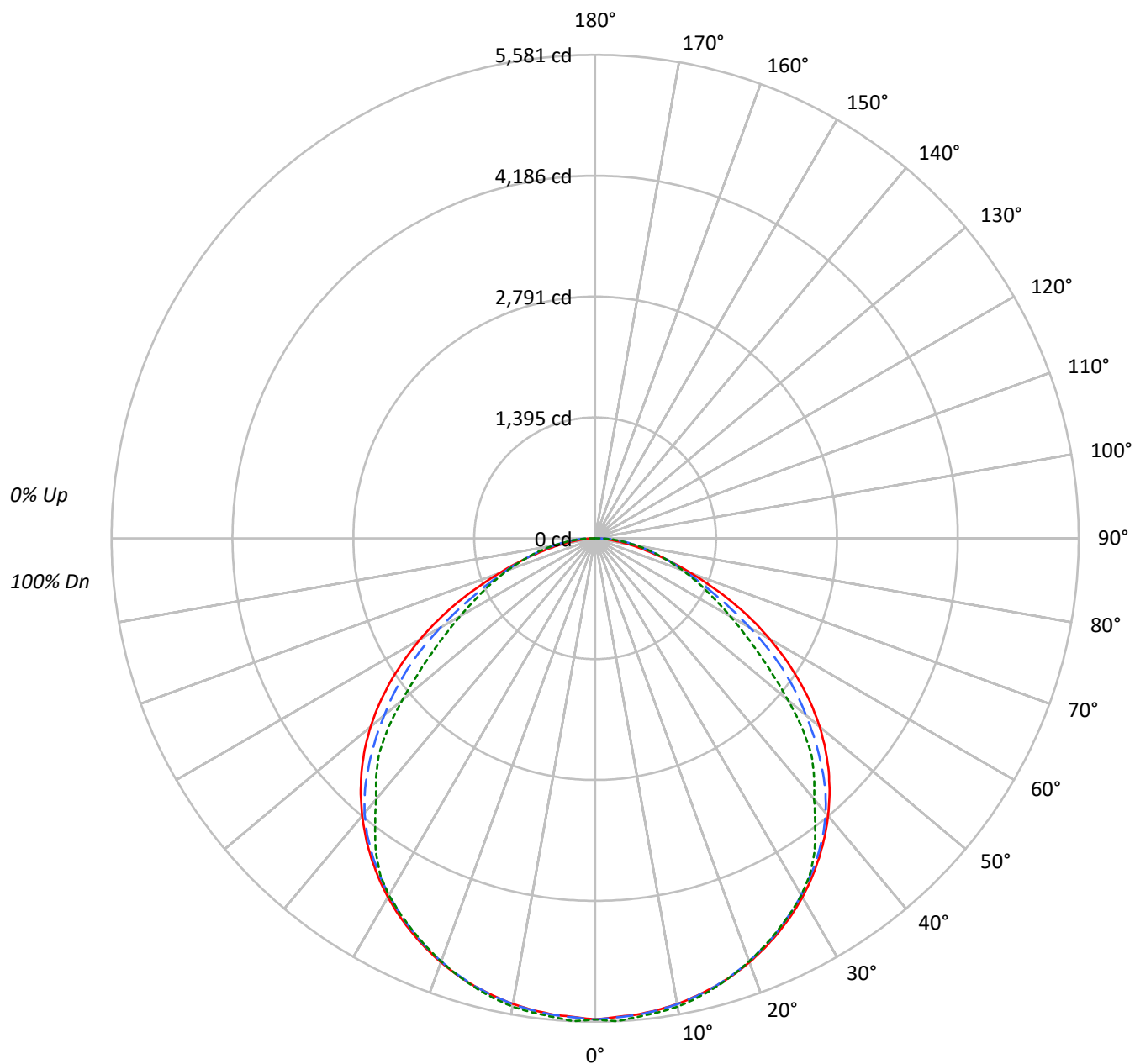
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8970	8970	8970
5°	8946	8952	8992
10°	8951	8955	9002
15°	8952	8951	8972
20°	8950	8929	8931
25°	8936	8903	8892
30°	8921	8868	8873
35°	8880	8825	8700
40°	8816	8726	8287
45°	8705	8426	8057
50°	8495	7977	7297
55°	8108	7461	6453
60°	7525	6657	5819
65°	6688	5764	5351
70°	5551	5151	5044
75°	4489	4714	4772
80°	3566	4509	4490
85°	2792	4843	4620



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.9	3.5
10°-20°	1515.5	10.2
20°-30°	2310.8	15.5
30°-40°	2795.7	18.7
40°-50°	2831.8	19.0
50°-60°	2340.6	15.7
60°-70°	1545.9	10.4
70°-80°	806.1	5.4
80°-90°	252.7	1.7
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°	4353.1	29.2
0°-40°	7148.9	47.9
0°-60°	12321.3	82.5
0°-90°	14926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5556	5556	5556	5556	5556	
5°	5520	5553	5524	5548	5548	525
15°	5356	5383	5355	5372	5368	1512
25°	5016	5036	4997	5010	4991	2313
35°	4505	4511	4477	4471	4414	2818
45°	3812	3802	3690	3575	3529	2935
55°	2880	2838	2650	2393	2292	2567
65°	1751	1700	1509	1411	1401	1729
75°	720	732	756	766	765	784
85°	151	194	261	259	249	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5555.5	5555.5	5555.5	5555.5	5555.5
2.5°	5532.2	5564.9	5537.5	5561.5	5580.9
5°	5519.5	5552.9	5523.5	5547.5	5548.2
7.5°	5494.9	5528.2	5498.2	5522.2	5521.5
10°	5459.5	5490.9	5462.2	5490.9	5490.9
12.5°	5411.5	5442.2	5414.2	5440.8	5436.8
15°	5355.5	5382.8	5354.8	5371.5	5367.5
17.5°	5289.4	5314.1	5282.8	5296.7	5288.8
20°	5208.7	5231.4	5196.8	5214.8	5198.0
22.5°	5118.0	5139.3	5104.0	5117.4	5098.7
25°	5016.0	5036.0	4997.3	5010.0	4991.3
27.5°	4905.9	4923.9	4880.6	4896.0	4881.2
30°	4785.2	4793.9	4756.6	4776.6	4759.3
32.5°	4650.5	4655.9	4623.1	4641.1	4611.8
35°	4505.1	4511.1	4477.1	4471.1	4413.8
37.5°	4349.7	4352.4	4320.4	4266.3	4171.7
40°	4183.0	4181.7	4140.3	4015.6	3931.6
42.5°	4004.9	4004.3	3931.6	3789.5	3741.5
45°	3812.2	3802.2	3690.1	3575.4	3528.7
47.5°	3605.5	3594.8	3438.0	3346.7	3240.6
50°	3382.0	3363.4	3175.9	3051.2	2905.2
52.5°	3141.3	3112.5	2921.8	2720.4	2582.4
55°	2880.5	2837.8	2650.4	2393.0	2292.3
57.5°	2609.1	2545.7	2363.6	2112.9	2030.8
60°	2330.3	2259.5	2061.5	1855.4	1802.0
62.5°	2043.5	1973.5	1771.4	1616.0	1586.6
65°	1750.7	1700.0	1508.6	1410.6	1400.6
67.5°	1450.6	1432.6	1286.5	1236.5	1232.5
70°	1175.8	1172.5	1091.1	1065.7	1068.4
72.5°	939.7	935.7	923.7	911.0	911.7
75°	719.6	732.3	755.6	765.6	765.0
77.5°	536.9	562.9	612.2	632.2	628.9
80°	383.5	422.2	484.9	503.6	482.9
82.5°	255.4	296.1	370.1	372.8	356.1
85°	150.7	194.1	261.4	259.4	249.4
87.5°	74.7	116.7	156.7	150.0	143.4
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)