

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: P730483

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CL-UNV-L850
Description: 15000 LUMEN, SE HBLED WITH WIDE 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): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

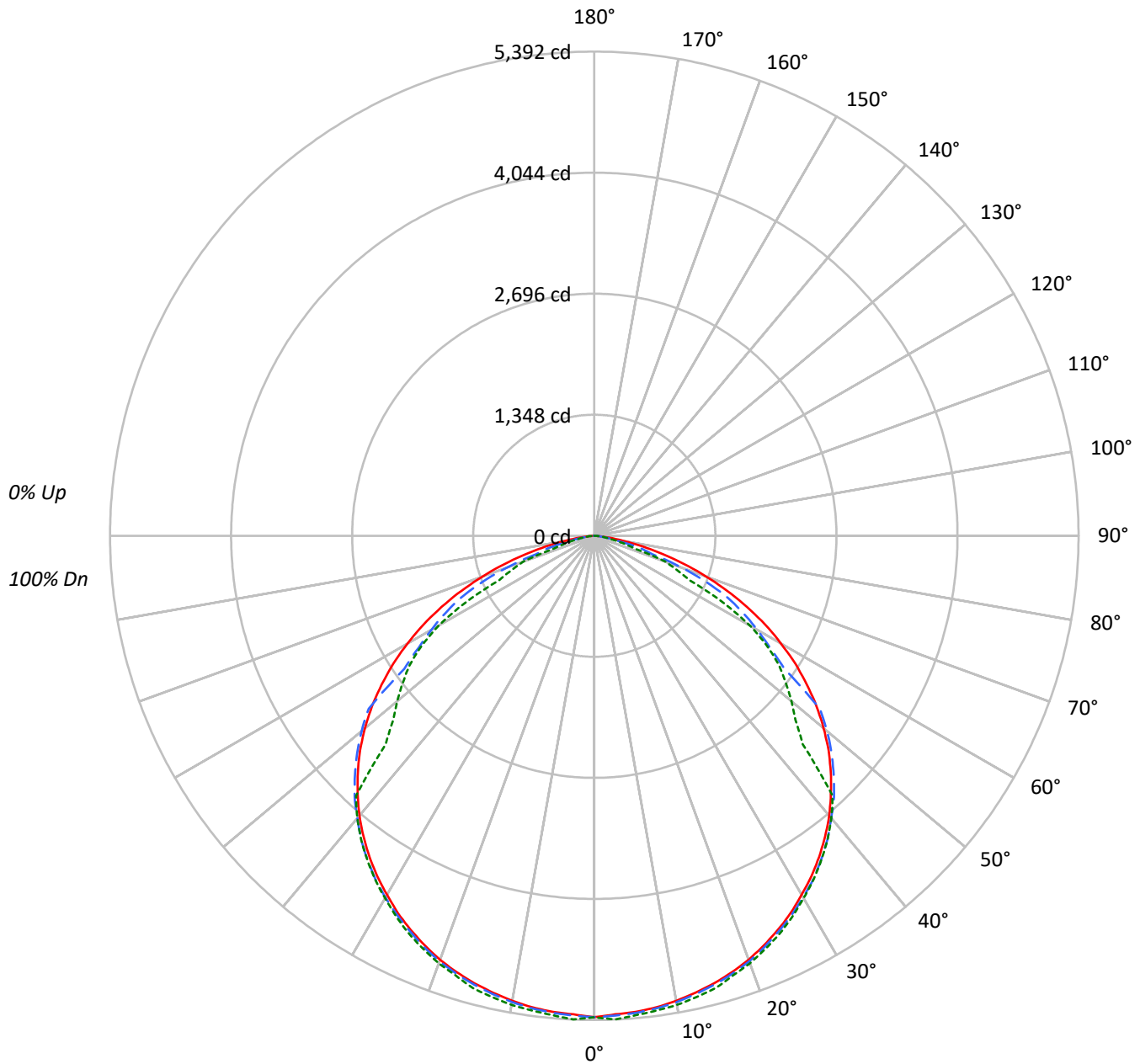
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8655	8655	8655
5°	8624	8643	8685
10°	8623	8647	8698
15°	8622	8648	8718
20°	8633	8665	8706
25°	8623	8656	8708
30°	8607	8670	8689
35°	8603	8681	8688
40°	8576	8652	8652
45°	8502	8605	7498
50°	8371	8497	7194
55°	8134	7274	7066
60°	7752	6761	6456
65°	7169	6276	4471
70°	6242	4884	3984
75°	4931	3278	2142
80°	3173	1566	1335
85°	1306	956	1052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.5	3.5
10°-20°	1465.7	10.1
20°-30°	2247.1	15.5
30°-40°	2754.1	19.0
40°-50°	2831.5	19.5
50°-60°	2416.5	16.7
60°-70°	1597.6	11.0
70°-80°	591.9	4.1
80°-90°	79.2	0.5
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°	4221.2	29.1
0°-40°	6975.4	48.1
0°-60°	12223.3	84.3
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°	5360	5360	5360	5360	5360	
5°	5321	5358	5332	5353	5359	506
15°	5158	5190	5174	5213	5216	1457
25°	4840	4866	4859	4902	4888	2232
35°	4365	4394	4404	4432	4408	2730
45°	3724	3761	3769	3763	3284	2870
55°	2889	2942	2584	2509	2510	2578
65°	1876	1892	1643	1351	1170	1850
75°	790	692	525	353	343	848
85°	70	50	52	56	57	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5360.5	5360.5	5360.5	5360.5	5360.5
2.5°	5334.4	5367.7	5348.1	5372.9	5391.8
5°	5320.7	5357.9	5332.5	5353.3	5358.6
7.5°	5297.2	5331.8	5308.3	5335.7	5331.8
10°	5259.4	5290.7	5274.4	5303.1	5305.0
12.5°	5211.1	5242.4	5227.4	5262.6	5261.9
15°	5158.2	5189.5	5173.8	5213.0	5215.7
17.5°	5096.2	5124.9	5113.1	5149.1	5134.7
20°	5024.4	5049.2	5043.3	5077.3	5066.8
22.5°	4936.3	4961.7	4955.9	4995.0	4979.3
25°	4840.4	4865.8	4858.6	4902.3	4888.0
27.5°	4736.6	4760.7	4760.0	4801.2	4779.0
30°	4616.5	4648.5	4650.4	4687.0	4660.8
32.5°	4497.7	4527.7	4536.2	4563.0	4540.8
35°	4364.6	4394.5	4404.4	4431.8	4407.6
37.5°	4220.9	4246.4	4264.0	4284.2	4265.3
40°	4068.8	4091.7	4104.8	4129.5	4104.8
42.5°	3899.2	3931.8	3950.1	3967.7	3927.2
45°	3723.6	3760.8	3768.6	3762.7	3283.7
47.5°	3537.6	3578.1	3582.6	3124.4	3036.3
50°	3332.6	3383.6	3382.9	2887.5	2864.0
52.5°	3119.2	3168.2	3166.2	2702.1	2686.5
55°	2889.4	2942.3	2584.0	2508.9	2510.3
57.5°	2655.1	2693.0	2318.4	2321.6	2278.5
60°	2400.6	2436.5	2093.8	2073.6	1999.2
62.5°	2145.4	2160.4	1876.5	1777.9	1636.3
65°	1876.5	1892.1	1642.8	1351.1	1170.3
67.5°	1600.4	1616.1	1363.4	1005.1	991.4
70°	1322.3	1194.4	1034.5	837.4	843.9
72.5°	1048.2	917.7	676.2	648.8	468.6
75°	790.4	692.5	525.4	353.1	343.3
77.5°	550.2	477.1	281.3	240.8	225.2
80°	341.3	239.5	168.4	149.5	143.6
82.5°	173.0	137.7	91.4	91.4	91.4
85°	70.5	50.3	51.6	56.1	56.8
87.5°	15.0	20.2	24.8	25.5	24.8
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)