

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: P730513

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-WG-UNV-L850
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15216.0 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

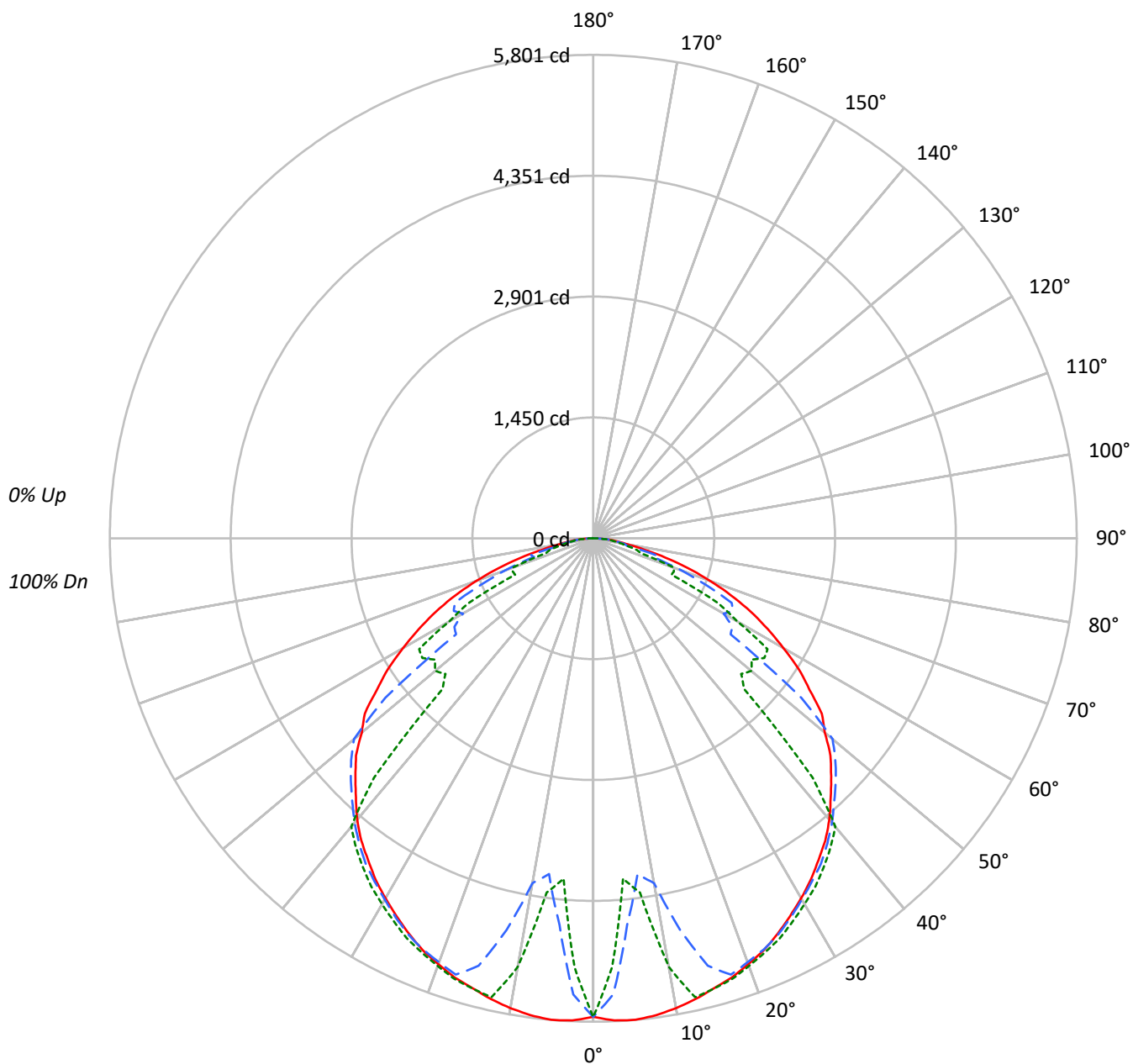
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9274	9274	9274
5°	9402	7554	6643
10°	9386	6889	8568
15°	9345	8879	9353
20°	9345	9302	9385
25°	9328	9349	9434
30°	9301	9332	9452
35°	9286	9389	9499
40°	9287	9389	9523
45°	9215	9395	5838
50°	9110	9414	6222
55°	8918	5661	7052
60°	8507	5835	6458
65°	7971	7006	3951
70°	7039	5308	4843
75°	5608	4824	3359
80°	3863	3487	2886
85°	3701	3218	3053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.3	3.0
10°-20°	1438.9	9.5
20°-30°	2367.2	15.6
30°-40°	2976.5	19.6
40°-50°	2919.2	19.2
50°-60°	2418.7	15.9
60°-70°	1706.0	11.2
70°-80°	744.3	4.9
80°-90°	185.9	1.2
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°	4265.4	28.0
0°-40°	7241.9	47.6
0°-60°	12579.8	82.7
0°-90°	15216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15216.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5744	5744	5744	5744	5744	
5°	5801	5399	4660	4226	4099	551
15°	5590	3882	5312	5612	5595	1581
25°	5236	4791	5248	5283	5296	2413
35°	4711	4708	4764	4795	4819	2952
45°	4036	4048	4114	3644	2557	3115
55°	3168	3272	2011	2286	2505	2835
65°	2086	2209	1834	1411	1034	2051
75°	899	881	773	506	538	964
85°	200	178	174	166	165	207
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5743.6	5743.6	5743.6	5743.6	5743.6
2.5°	5790.9	5670.7	5479.8	5239.4	5154.3
5°	5801.2	5399.4	4660.5	4225.8	4098.7
7.5°	5771.7	4907.0	4063.0	4154.3	4288.9
10°	5725.0	4474.4	4201.7	4943.4	5225.7
12.5°	5665.3	4089.8	4813.6	5584.2	5640.5
15°	5590.4	3882.4	5311.6	5612.4	5595.2
17.5°	5527.2	4003.9	5490.1	5556.0	5543.7
20°	5438.6	4246.4	5413.9	5466.8	5461.9
22.5°	5349.3	4533.4	5341.8	5379.6	5379.6
25°	5236.0	4791.0	5247.7	5282.7	5295.8
27.5°	5111.7	4939.3	5130.2	5159.1	5182.4
30°	4988.7	4960.6	5005.3	5042.4	5069.8
32.5°	4859.0	4848.0	4883.0	4922.2	4957.2
35°	4711.3	4708.5	4763.5	4795.1	4819.2
37.5°	4572.6	4563.0	4613.8	4657.8	4676.3
40°	4406.4	4406.4	4454.4	4499.1	4518.4
42.5°	4216.8	4243.6	4280.7	4326.7	3896.8
45°	4035.5	4047.9	4114.5	3644.1	2556.9
47.5°	3861.0	3876.8	3940.1	2342.6	2406.5
50°	3626.9	3698.3	3747.7	2335.8	2477.2
52.5°	3455.9	3486.8	3146.1	2312.4	2392.0
55°	3168.1	3271.8	2010.9	2286.3	2505.3
57.5°	2922.3	2997.8	1977.3	2342.6	2478.6
60°	2634.5	2749.9	1806.9	2260.2	1999.9
62.5°	2358.4	2468.3	1886.6	1778.8	1693.6
65°	2086.4	2209.4	1833.7	1410.6	1034.3
67.5°	1788.3	1673.7	1462.8	993.8	1046.0
70°	1491.0	1168.9	1124.3	1111.2	1026.0
72.5°	1185.4	853.0	746.5	833.8	596.8
75°	899.0	881.2	773.3	505.5	538.5
77.5°	623.6	636.0	414.1	493.1	409.3
80°	415.5	359.9	375.0	314.5	310.4
82.5°	287.8	293.9	246.5	239.0	242.5
85°	199.8	177.9	173.7	166.2	164.8
87.5°	66.6	77.6	72.1	65.2	69.4
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)