

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: P730423

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730423
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-LD5-15HE-W-CLI-UNV-L850
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15099.0 lumens
Efficiency: N/A
Efficacy: 165.6 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

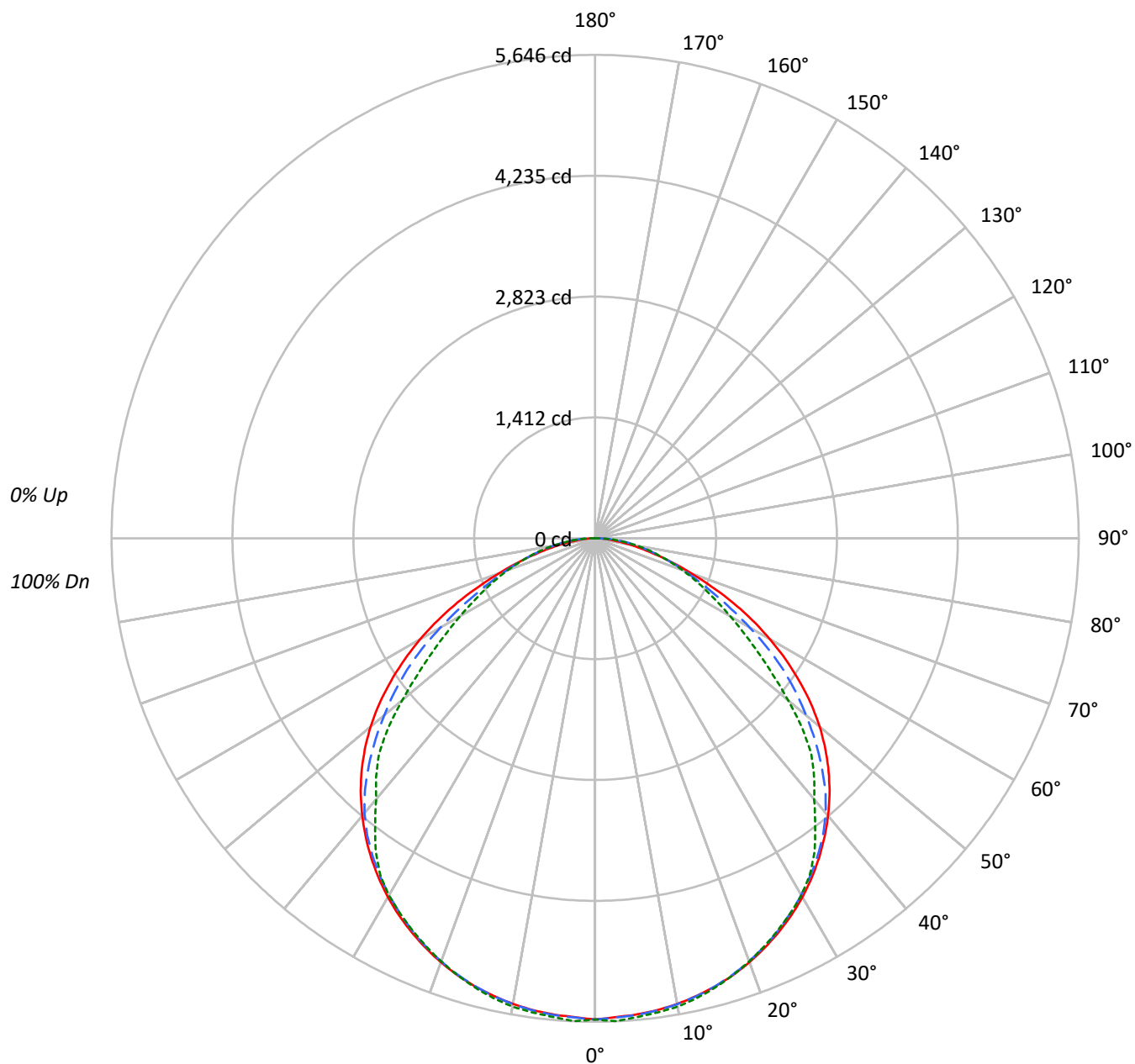
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9074	9074	9074
5°	9049	9056	9096
10°	9055	9059	9107
15°	9056	9055	9076
20°	9053	9033	9035
25°	9040	9006	8995
30°	9025	8971	8976
35°	8983	8927	8801
40°	8919	8828	8383
45°	8806	8524	8151
50°	8594	8070	7382
55°	8202	7547	6527
60°	7612	6734	5886
65°	6766	5830	5413
70°	5615	5210	5102
75°	4541	4769	4828
80°	3608	4561	4542
85°	2823	4900	4674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.0	3.5
10°-20°	1533.0	10.2
20°-30°	2337.6	15.5
30°-40°	2828.1	18.7
40°-50°	2864.7	19.0
50°-60°	2367.7	15.7
60°-70°	1563.8	10.4
70°-80°	815.5	5.4
80°-90°	255.6	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°	4403.6	29.2
0°-40°	7231.7	47.9
0°-60°	12464.1	82.5
0°-90°	15099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5620	5620	5620	5620	5620	
5°	5584	5617	5588	5612	5612	531
15°	5418	5445	5417	5434	5430	1530
25°	5074	5094	5055	5068	5049	2340
35°	4557	4563	4529	4523	4465	2851
45°	3856	3846	3733	3617	3570	2969
55°	2914	2871	2681	2421	2319	2597
65°	1771	1720	1526	1427	1417	1749
75°	728	741	764	774	774	793
85°	152	196	264	262	252	185
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5619.9	5619.9	5619.9	5619.9	5619.9
2.5°	5596.3	5629.4	5601.7	5626.0	5645.6
5°	5583.5	5617.3	5587.5	5611.8	5612.5
7.5°	5558.6	5592.3	5561.9	5586.2	5585.5
10°	5522.8	5554.5	5525.5	5554.5	5554.5
12.5°	5474.2	5505.2	5476.9	5503.9	5499.8
15°	5417.6	5445.2	5416.9	5433.7	5429.7
17.5°	5350.8	5375.7	5344.0	5358.1	5350.1
20°	5269.1	5292.1	5257.0	5275.2	5258.3
22.5°	5177.3	5198.9	5163.2	5176.7	5157.8
25°	5074.2	5094.4	5055.3	5068.1	5049.2
27.5°	4962.8	4981.0	4937.1	4952.7	4937.8
30°	4840.7	4849.5	4811.7	4832.0	4814.4
32.5°	4704.4	4709.8	4676.7	4694.9	4665.3
35°	4557.3	4563.4	4529.0	4522.9	4464.9
37.5°	4400.1	4402.8	4370.5	4315.8	4220.0
40°	4231.5	4230.2	4188.3	4062.1	3977.1
42.5°	4051.3	4050.7	3977.1	3833.4	3784.9
45°	3856.4	3846.3	3732.9	3616.9	3569.6
47.5°	3647.2	3636.4	3477.9	3385.5	3278.2
50°	3421.2	3402.3	3212.7	3086.5	2938.8
52.5°	3177.7	3148.6	2955.7	2751.9	2612.3
55°	2913.9	2870.7	2681.1	2420.7	2318.8
57.5°	2639.3	2575.2	2391.0	2137.3	2054.4
60°	2357.3	2285.7	2085.4	1876.9	1822.9
62.5°	2067.2	1996.3	1791.9	1634.7	1605.0
65°	1771.0	1719.7	1526.1	1426.9	1416.8
67.5°	1467.4	1449.2	1301.4	1250.8	1246.8
70°	1189.4	1186.1	1103.7	1078.1	1080.8
72.5°	950.6	946.6	934.4	921.6	922.3
75°	728.0	740.8	764.4	774.5	773.9
77.5°	543.1	569.4	619.3	639.6	636.2
80°	388.0	427.1	490.5	509.4	488.5
82.5°	258.4	299.5	374.4	377.1	360.3
85°	152.4	196.3	264.5	262.4	252.3
87.5°	75.5	118.1	158.5	151.8	145.1
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)