

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: P730493

Luminaire Tested: **HBLED-LD5-15SE-W-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730493
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-L835
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: 14229.0 lumens
Efficiency: N/A
Efficacy: 151.4 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

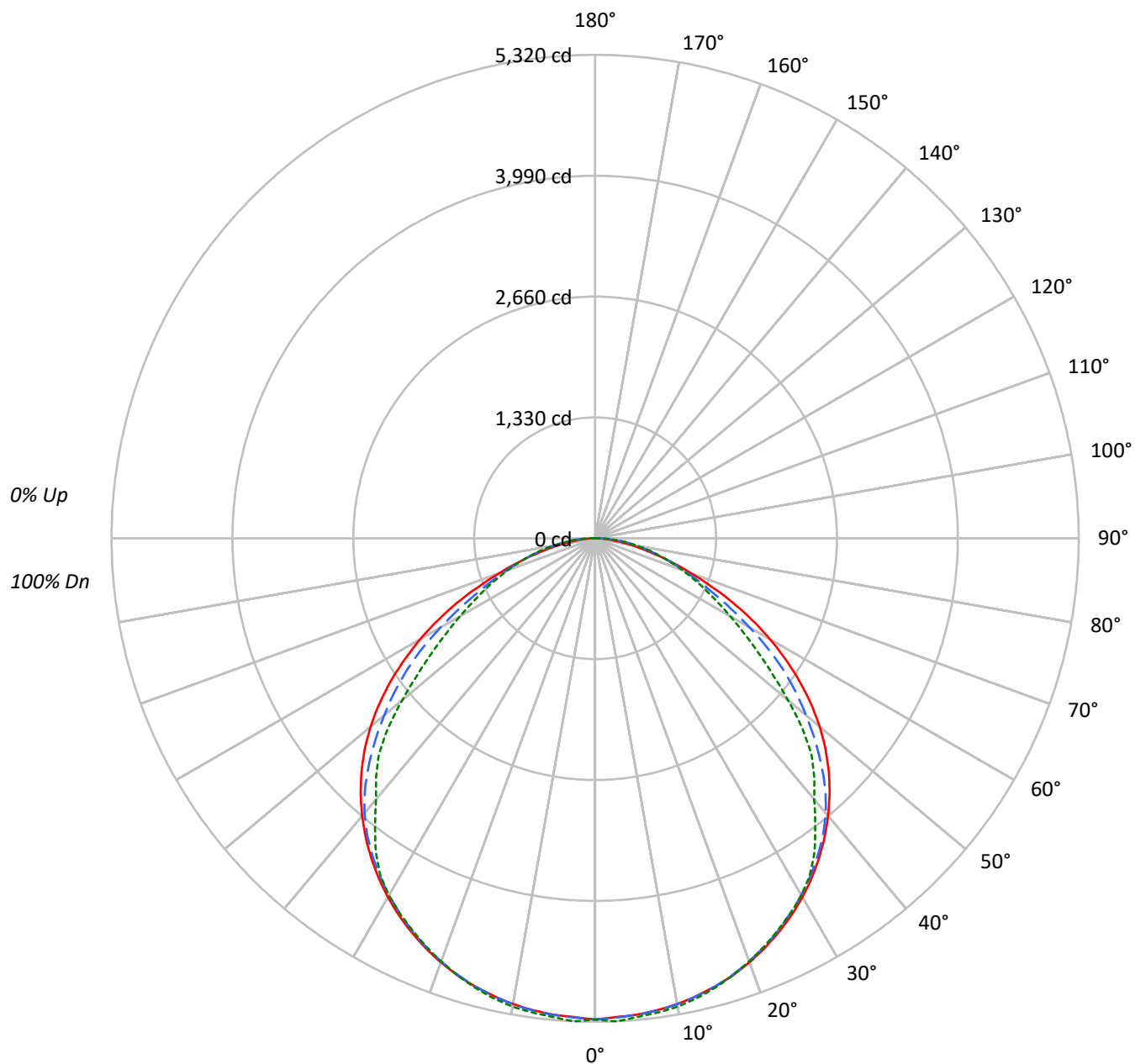
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	8551	8551	8551
5°	8528	8534	8572
10°	8533	8537	8582
15°	8534	8533	8553
20°	8532	8512	8514
25°	8519	8487	8477
30°	8505	8454	8459
35°	8465	8413	8293
40°	8405	8319	7900
45°	8298	8032	7681
50°	8098	7605	6957
55°	7730	7112	6151
60°	7174	6346	5547
65°	6376	5494	5101
70°	5291	4910	4808
75°	4279	4493	4550
80°	3399	4298	4280
85°	2662	4617	4405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.3	3.5
10°-20°	1444.7	10.2
20°-30°	2202.9	15.5
30°-40°	2665.2	18.7
40°-50°	2699.6	19.0
50°-60°	2231.3	15.7
60°-70°	1473.7	10.4
70°-80°	768.4	5.4
80°-90°	240.9	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°	4149.9	29.2
0°-40°	6815.0	47.9
0°-60°	11745.9	82.5
0°-90°	14229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5296	5296	5296	5296	5296	
5°	5262	5294	5266	5288	5289	500
15°	5105	5131	5105	5121	5117	1442
25°	4782	4801	4764	4776	4758	2205
35°	4295	4300	4268	4262	4208	2686
45°	3634	3625	3518	3408	3364	2798
55°	2746	2705	2527	2281	2185	2447
65°	1669	1621	1438	1345	1335	1648
75°	686	698	720	730	729	747
85°	144	185	249	247	238	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5296.1	5296.1	5296.1	5296.1	5296.1
2.5°	5273.9	5305.0	5278.9	5301.8	5320.3
5°	5261.8	5293.6	5265.6	5288.5	5289.1
7.5°	5238.3	5270.1	5241.4	5264.3	5263.7
10°	5204.5	5234.5	5207.1	5234.5	5234.5
12.5°	5158.8	5188.0	5161.4	5186.7	5182.9
15°	5105.4	5131.4	5104.8	5120.7	5116.8
17.5°	5042.4	5066.0	5036.1	5049.4	5041.8
20°	4965.5	4987.1	4954.1	4971.3	4955.3
22.5°	4879.0	4899.4	4865.7	4878.4	4860.6
25°	4781.8	4800.9	4764.0	4776.0	4758.2
27.5°	4676.8	4694.0	4652.7	4667.3	4653.3
30°	4561.8	4570.1	4534.5	4553.5	4537.0
32.5°	4433.3	4438.5	4407.3	4424.4	4396.5
35°	4294.7	4300.5	4268.1	4262.3	4207.6
37.5°	4146.6	4149.2	4118.7	4067.1	3976.8
40°	3987.7	3986.4	3947.0	3828.1	3748.0
42.5°	3817.9	3817.3	3748.0	3612.5	3566.8
45°	3634.2	3624.6	3517.8	3408.5	3363.9
47.5°	3437.1	3426.9	3277.5	3190.4	3089.3
50°	3224.1	3206.3	3027.6	2908.7	2769.5
52.5°	2994.6	2967.2	2785.4	2593.4	2461.8
55°	2746.0	2705.3	2526.6	2281.2	2185.2
57.5°	2487.2	2426.8	2253.2	2014.2	1936.0
60°	2221.5	2154.0	1965.2	1768.8	1717.9
62.5°	1948.0	1881.3	1688.7	1540.5	1512.5
65°	1668.9	1620.6	1438.1	1344.7	1335.2
67.5°	1382.8	1365.7	1226.4	1178.8	1174.9
70°	1120.9	1117.7	1040.1	1016.0	1018.5
72.5°	895.8	892.0	880.6	868.5	869.1
75°	686.0	698.1	720.3	729.9	729.3
77.5°	511.8	536.6	583.6	602.7	599.5
80°	365.6	402.5	462.2	480.0	460.3
82.5°	243.5	282.3	352.8	355.4	339.5
85°	143.7	185.0	249.2	247.3	237.8
87.5°	71.2	111.3	149.4	143.0	136.7
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)