

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: P730490

Luminaire Tested: **HBLED-LD5-15SE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730490
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-L735
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: 14885.0 lumens
Efficiency: N/A
Efficacy: 158.4 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

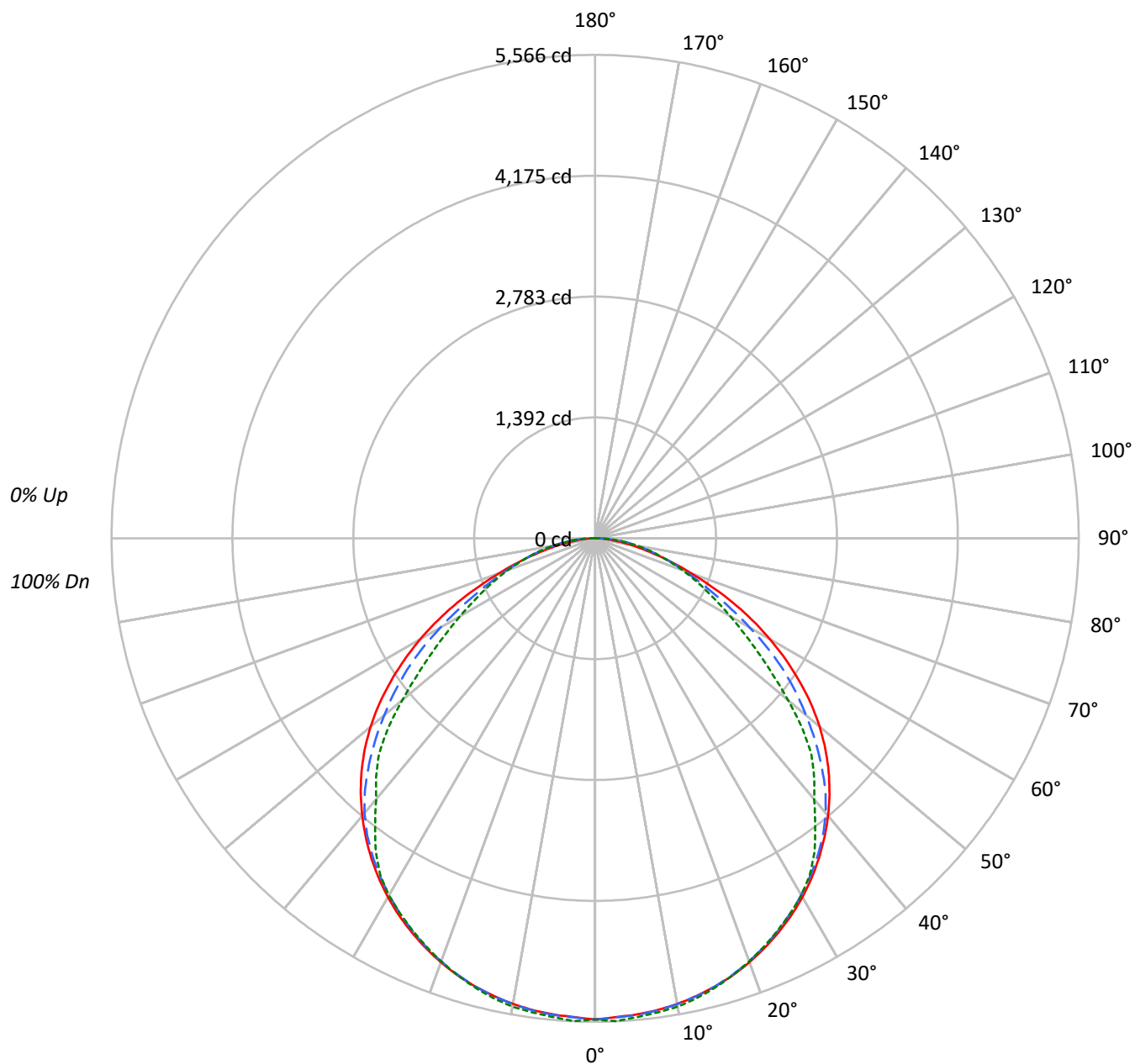
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	8945	8945	8945
5°	8921	8928	8968
10°	8926	8931	8978
15°	8927	8926	8947
20°	8925	8905	8907
25°	8911	8878	8868
30°	8897	8844	8849
35°	8855	8800	8676
40°	8792	8703	8264
45°	8681	8403	8035
50°	8472	7956	7277
55°	8086	7440	6435
60°	7504	6639	5803
65°	6670	5747	5336
70°	5536	5137	5030
75°	4477	4701	4759
80°	3556	4497	4478
85°	2784	4830	4607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.4	3.5
10°-20°	1511.3	10.2
20°-30°	2304.5	15.5
30°-40°	2788.1	18.7
40°-50°	2824.1	19.0
50°-60°	2334.2	15.7
60°-70°	1541.7	10.4
70°-80°	803.9	5.4
80°-90°	252.0	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°	4341.2	29.2
0°-40°	7129.2	47.9
0°-60°	12287.4	82.5
0°-90°	14885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5540	5540	5540	5540	5540	
5°	5504	5538	5508	5532	5533	524
15°	5341	5368	5340	5357	5353	1508
25°	5002	5022	4984	4996	4978	2307
35°	4493	4499	4465	4459	4402	2810
45°	3802	3792	3680	3566	3519	2927
55°	2873	2830	2643	2386	2286	2560
65°	1746	1695	1504	1407	1397	1724
75°	718	730	754	764	763	782
85°	150	194	261	259	249	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5540.2	5540.2	5540.2	5540.2	5540.2
2.5°	5517.0	5549.6	5522.3	5546.3	5565.5
5°	5504.3	5537.6	5508.4	5532.3	5533.0
7.5°	5479.8	5513.0	5483.1	5507.0	5506.3
10°	5444.5	5475.8	5447.2	5475.8	5475.8
12.5°	5396.6	5427.2	5399.3	5425.9	5421.9
15°	5340.8	5368.0	5340.1	5356.7	5352.7
17.5°	5274.9	5299.5	5268.2	5282.2	5274.2
20°	5194.4	5217.1	5182.5	5200.4	5183.8
22.5°	5103.9	5125.2	5090.0	5103.3	5084.7
25°	5002.2	5022.2	4983.6	4996.2	4977.6
27.5°	4892.5	4910.4	4867.2	4882.5	4867.8
30°	4772.1	4780.8	4743.5	4763.5	4746.2
32.5°	4637.7	4643.1	4610.4	4628.4	4599.2
35°	4492.7	4498.7	4464.8	4458.8	4401.6
37.5°	4337.8	4340.4	4308.5	4254.6	4160.2
40°	4171.5	4170.2	4129.0	4004.6	3920.8
42.5°	3993.9	3993.3	3920.8	3779.1	3731.2
45°	3801.7	3791.8	3680.0	3565.6	3519.0
47.5°	3595.6	3584.9	3428.6	3337.5	3231.7
50°	3372.7	3354.1	3167.2	3042.8	2897.2
52.5°	3132.6	3104.0	2913.8	2712.9	2575.3
55°	2872.6	2830.0	2643.1	2386.4	2286.0
57.5°	2601.9	2538.7	2357.1	2107.1	2025.2
60°	2323.9	2253.3	2055.8	1850.3	1797.1
62.5°	2037.9	1968.0	1766.5	1611.6	1582.3
65°	1745.9	1695.3	1504.4	1406.7	1396.7
67.5°	1446.6	1428.6	1283.0	1233.1	1229.1
70°	1172.6	1169.2	1088.1	1062.8	1065.5
72.5°	937.1	933.1	921.2	908.5	909.2
75°	717.7	730.3	753.6	763.5	762.9
77.5°	535.4	561.4	610.5	630.5	627.2
80°	382.5	421.0	483.6	502.2	481.6
82.5°	254.7	295.3	369.1	371.8	355.2
85°	150.3	193.5	260.7	258.7	248.7
87.5°	74.5	116.4	156.3	149.6	143.0
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)