

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: P730474

Luminaire Tested: **HBLED-LD5-15SE-W-AI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-AI-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14911.0 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

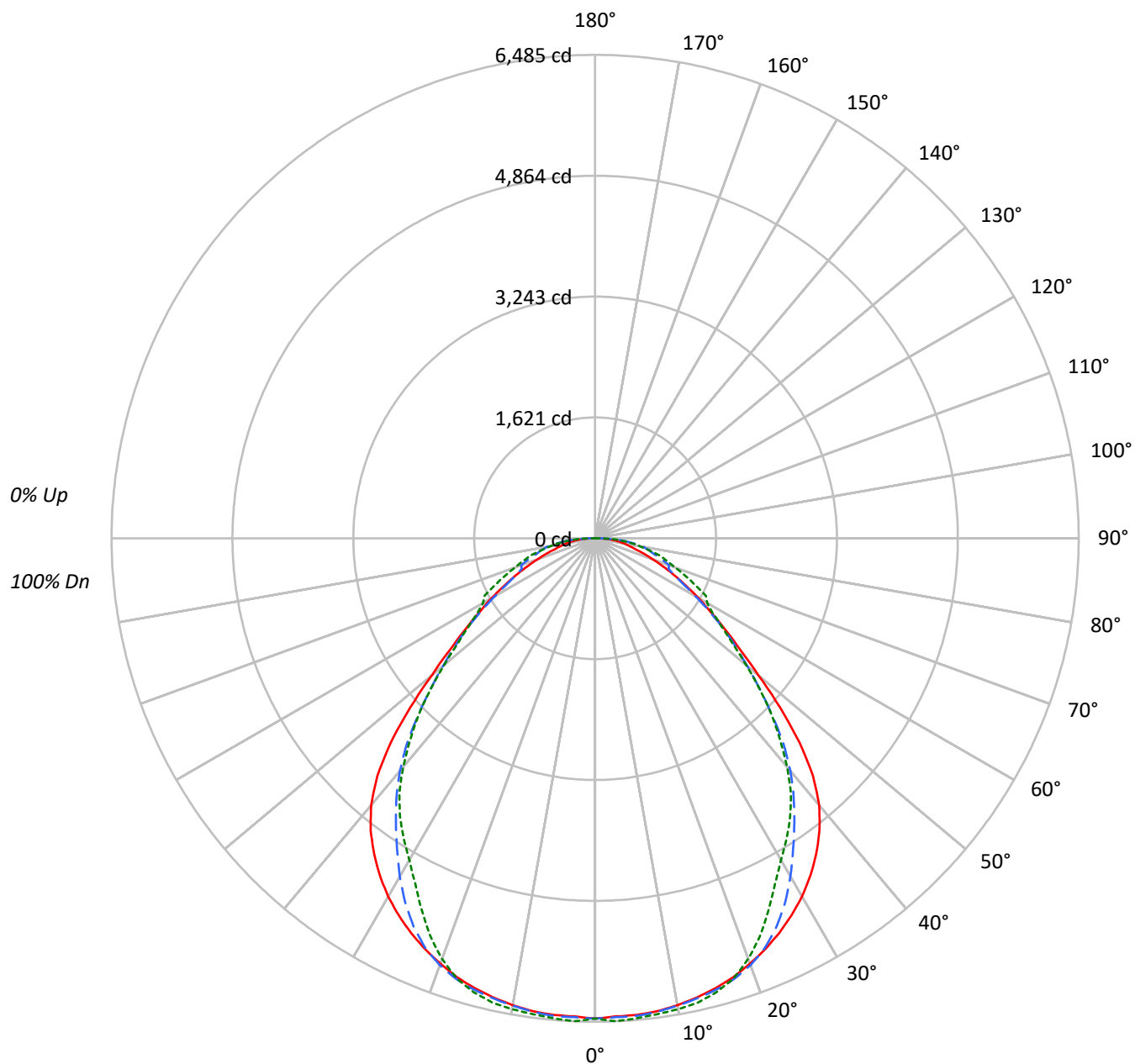
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10401	10401	10401
5°	10401	10423	10474
10°	10427	10440	10516
15°	10442	10482	10533
20°	10432	10471	10315
25°	10406	10250	9804
30°	10344	9766	9290
35°	10189	9179	8988
40°	9848	8583	8441
45°	8851	7664	7635
50°	7179	6675	6630
55°	5961	5850	5848
60°	5161	5010	5602
65°	4473	4445	5646
70°	3857	4987	5382
75°	3459	5110	5611
80°	3595	6016	5629
85°	4081	6934	6432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.4	4.1
10°-20°	1771.4	11.9
20°-30°	2631.0	17.6
30°-40°	2986.9	20.0
40°-50°	2670.2	17.9
50°-60°	1846.1	12.4
60°-70°	1218.2	8.2
70°-80°	821.9	5.5
80°-90°	352.0	2.4
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°	5015.8	33.6
0°-40°	8002.6	53.7
0°-60°	12518.9	84.0
0°-90°	14911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6442	6442	6442	6442	6442	
5°	6417	6457	6431	6457	6462	611
15°	6247	6277	6271	6306	6301	1763
25°	5841	5896	5753	5582	5503	2691
35°	5169	5060	4657	4589	4560	3223
45°	3876	3548	3356	3382	3344	2948
55°	2118	1933	2078	2049	2078	1923
65°	1171	1040	1164	1360	1478	1168
75°	554	697	819	875	900	605
85°	220	306	374	376	347	230
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6442.0	6442.0	6442.0	6442.0	6442.0
2.5°	6420.1	6460.3	6430.3	6458.1	6485.0
5°	6417.2	6456.6	6431.1	6457.3	6462.4
7.5°	6399.0	6435.4	6405.5	6431.1	6436.9
10°	6359.6	6402.6	6367.6	6407.0	6414.3
12.5°	6308.5	6352.3	6321.6	6375.6	6378.6
15°	6247.2	6277.1	6270.6	6305.6	6301.2
17.5°	6169.9	6204.2	6199.1	6207.8	6187.4
20°	6071.4	6110.1	6094.0	6053.9	6003.6
22.5°	5965.7	6012.3	5948.9	5847.5	5776.7
25°	5840.9	5896.3	5753.4	5582.0	5503.2
27.5°	5703.0	5752.6	5514.8	5304.8	5223.1
30°	5548.4	5569.5	5238.3	5038.5	4983.0
32.5°	5369.7	5339.0	4942.9	4810.9	4778.8
35°	5169.1	5060.4	4657.0	4589.1	4559.9
37.5°	4942.9	4743.8	4374.7	4343.3	4312.6
40°	4672.3	4378.3	4072.0	4051.5	4004.8
42.5°	4322.9	3980.7	3735.6	3711.6	3670.0
45°	3876.5	3548.2	3356.3	3381.9	3343.9
47.5°	3362.9	3114.2	2992.3	3062.4	2992.3
50°	2858.1	2691.1	2657.5	2721.0	2639.3
52.5°	2444.5	2294.2	2363.5	2374.4	2325.6
55°	2117.6	1933.1	2078.3	2049.1	2077.5
57.5°	1833.2	1626.7	1805.5	1771.9	1869.6
60°	1598.3	1366.3	1551.6	1544.3	1734.7
62.5°	1367.8	1182.5	1331.3	1438.5	1672.7
65°	1170.8	1039.5	1163.5	1360.5	1477.9
67.5°	981.9	932.3	1064.3	1173.7	1302.1
70°	817.0	842.5	1056.3	1035.8	1140.1
72.5°	678.4	765.3	932.3	935.9	1009.6
75°	554.4	697.4	819.2	875.4	899.5
77.5°	461.0	632.5	739.7	759.4	736.0
80°	386.6	557.3	647.0	638.3	605.4
82.5°	312.2	422.4	509.9	518.0	479.3
85°	220.3	306.4	374.3	376.4	347.2
87.5°	118.2	189.0	226.9	233.4	215.9
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)