

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: P730480

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CL-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15249.0 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

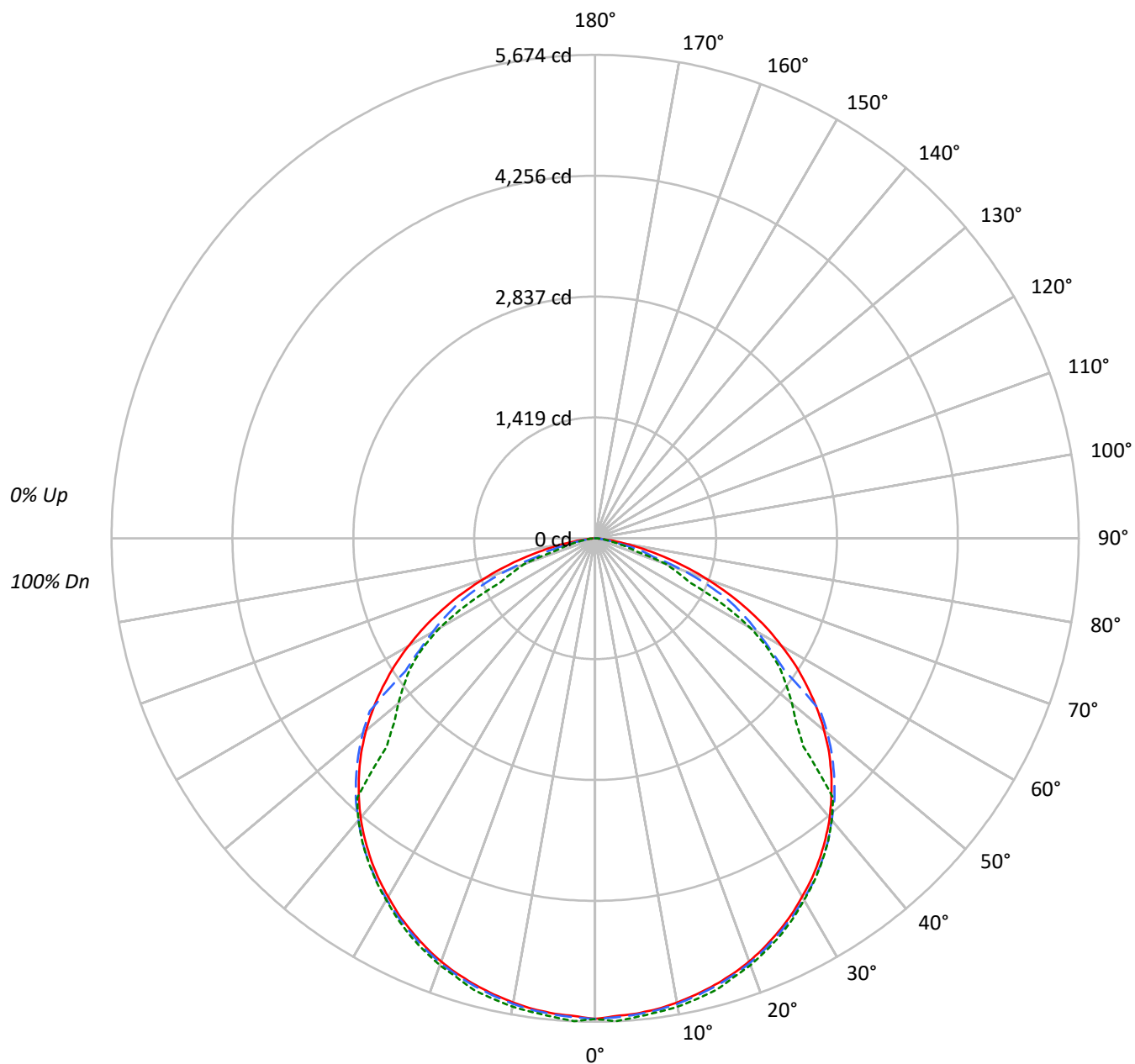
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9107	9107	9107
5°	9074	9094	9139
10°	9073	9099	9152
15°	9072	9100	9174
20°	9084	9118	9161
25°	9074	9108	9163
30°	9056	9123	9143
35°	9052	9135	9142
40°	9024	9104	9104
45°	8946	9055	7890
50°	8808	8941	7570
55°	8559	7654	7435
60°	8157	7115	6793
65°	7543	6604	4704
70°	6568	5139	4192
75°	5188	3449	2253
80°	3340	1648	1405
85°	1375	1006	1106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.1	3.5
10°-20°	1542.2	10.1
20°-30°	2364.5	15.5
30°-40°	2898.0	19.0
40°-50°	2979.4	19.5
50°-60°	2542.7	16.7
60°-70°	1681.1	11.0
70°-80°	622.8	4.1
80°-90°	83.3	0.5
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°	4441.7	29.1
0°-40°	7339.7	48.1
0°-60°	12861.8	84.3
0°-90°	15249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5640	5640	5640	5640	5640	
5°	5599	5638	5611	5633	5638	532
15°	5428	5461	5444	5485	5488	1533
25°	5093	5120	5112	5158	5143	2348
35°	4592	4624	4634	4663	4638	2873
45°	3918	3957	3966	3959	3455	3019
55°	3040	3096	2719	2640	2641	2713
65°	1974	1991	1729	1422	1231	1947
75°	832	729	553	372	361	892
85°	74	53	54	59	60	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5640.5	5640.5	5640.5	5640.5	5640.5
2.5°	5613.1	5648.1	5627.5	5653.6	5673.5
5°	5598.7	5637.8	5611.0	5633.0	5638.5
7.5°	5573.9	5610.3	5585.6	5614.4	5610.3
10°	5534.1	5567.0	5549.9	5580.1	5582.1
12.5°	5483.3	5516.2	5500.4	5537.5	5536.8
15°	5427.6	5460.6	5444.1	5485.3	5488.1
17.5°	5362.4	5392.6	5380.2	5418.0	5402.9
20°	5286.8	5312.9	5306.7	5342.5	5331.5
22.5°	5194.1	5220.9	5214.8	5256.0	5239.4
25°	5093.2	5120.0	5112.4	5158.4	5143.3
27.5°	4984.0	5009.4	5008.7	5052.0	5028.6
30°	4857.6	4891.3	4893.4	4931.8	4904.3
32.5°	4732.6	4764.2	4773.2	4801.3	4778.0
35°	4592.5	4624.1	4634.4	4663.3	4637.9
37.5°	4441.4	4468.2	4486.7	4508.0	4488.1
40°	4281.4	4305.4	4319.2	4345.2	4319.2
42.5°	4102.8	4137.2	4156.4	4175.0	4132.4
45°	3918.1	3957.2	3965.5	3959.3	3455.2
47.5°	3722.4	3765.0	3769.8	3287.7	3194.9
50°	3506.7	3560.3	3559.6	3038.3	3013.6
52.5°	3282.1	3333.7	3331.6	2843.3	2826.8
55°	3040.4	3096.0	2718.9	2640.0	2641.4
57.5°	2793.8	2833.6	2439.5	2442.9	2397.5
60°	2526.0	2563.7	2203.2	2181.9	2103.6
62.5°	2257.5	2273.3	1974.5	1870.8	1721.8
65°	1974.5	1991.0	1728.7	1421.6	1231.4
67.5°	1684.0	1700.5	1434.7	1057.7	1043.2
70°	1391.4	1256.8	1088.6	881.2	888.0
72.5°	1103.0	965.6	711.5	682.6	493.1
75°	831.7	728.7	552.9	371.6	361.2
77.5°	579.0	502.0	296.0	253.4	237.0
80°	359.2	252.0	177.2	157.3	151.1
82.5°	182.0	144.9	96.2	96.2	96.2
85°	74.2	52.9	54.3	59.0	59.7
87.5°	15.8	21.3	26.1	26.8	26.1
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)