

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: P730479

Luminaire Tested: **HBLED-LD5-15SE-W-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730479
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-L740
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: 14891.0 lumens
Efficiency: N/A
Efficacy: 158.4 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

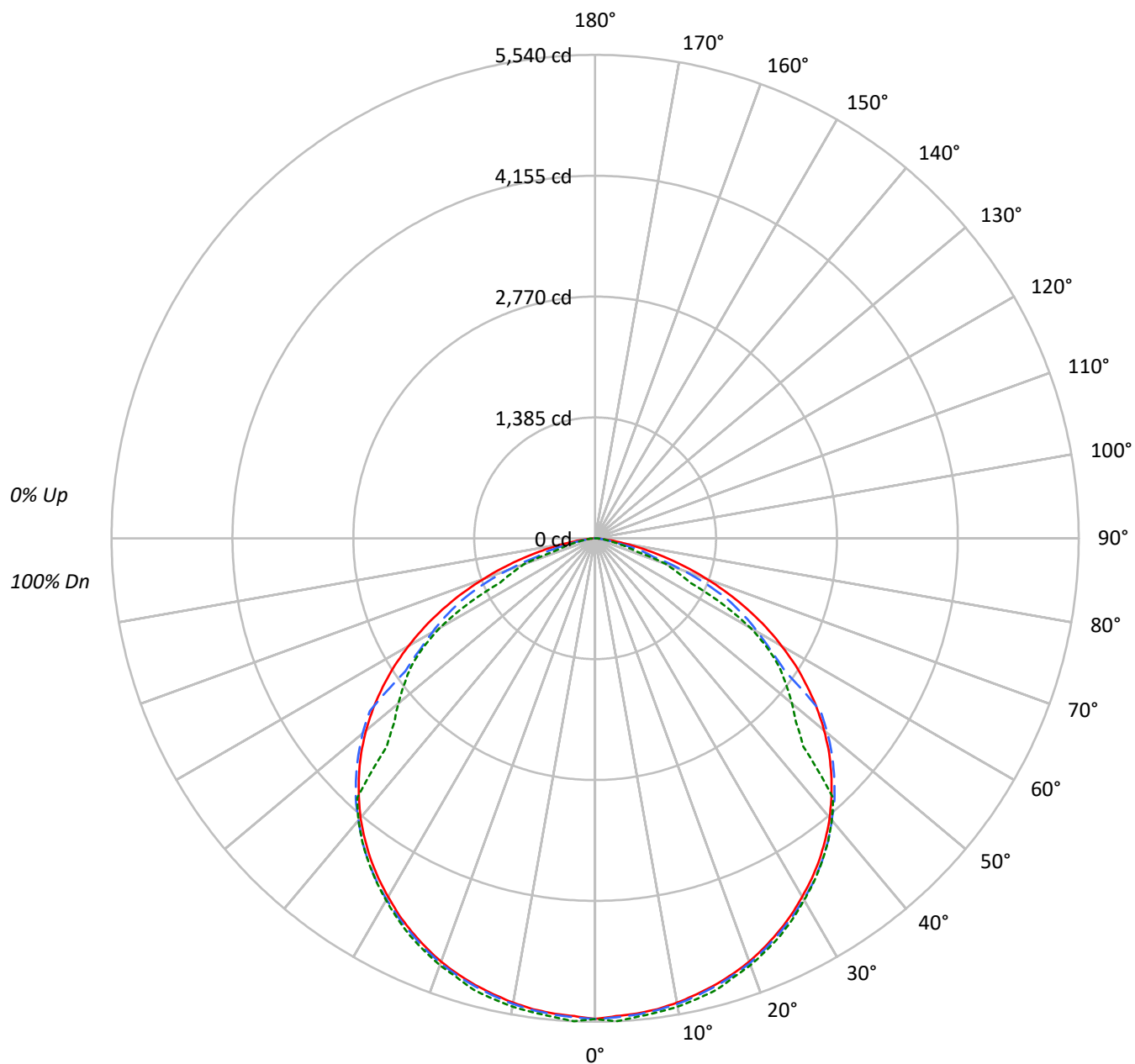
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8893	8893	8893
5°	8861	8881	8924
10°	8860	8885	8937
15°	8860	8886	8958
20°	8871	8904	8946
25°	8860	8894	8948
30°	8844	8909	8929
35°	8840	8920	8927
40°	8812	8890	8890
45°	8736	8842	7704
50°	8602	8731	7392
55°	8358	7474	7261
60°	7965	6948	6633
65°	7367	6449	4594
70°	6414	5018	4093
75°	5067	3368	2201
80°	3261	1609	1371
85°	1341	982	1080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.5	3.5
10°-20°	1506.0	10.1
20°-30°	2308.9	15.5
30°-40°	2830.0	19.0
40°-50°	2909.4	19.5
50°-60°	2483.0	16.7
60°-70°	1641.6	11.0
70°-80°	608.2	4.1
80°-90°	81.3	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°	4337.4	29.1
0°-40°	7167.4	48.1
0°-60°	12559.9	84.3
0°-90°	14891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14891.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5508	5508	5508	5508	5508	
5°	5467	5505	5479	5501	5506	520
15°	5300	5332	5316	5357	5359	1497
25°	4974	5000	4992	5037	5023	2293
35°	4485	4516	4526	4554	4529	2805
45°	3826	3864	3872	3866	3374	2949
55°	2969	3023	2655	2578	2579	2649
65°	1928	1944	1688	1388	1202	1901
75°	812	712	540	363	353	871
85°	72	52	53	58	58	120
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5508.1	5508.1	5508.1	5508.1	5508.1
2.5°	5481.3	5515.5	5495.3	5520.8	5540.3
5°	5467.2	5505.4	5479.3	5500.7	5506.1
7.5°	5443.1	5478.6	5454.4	5482.6	5478.6
10°	5404.2	5436.3	5419.6	5449.1	5451.1
12.5°	5354.6	5386.7	5371.3	5407.5	5406.8
15°	5300.2	5332.4	5316.3	5356.6	5359.3
17.5°	5236.5	5266.0	5253.9	5290.8	5276.1
20°	5162.7	5188.2	5182.1	5217.1	5206.3
22.5°	5072.2	5098.3	5092.3	5132.6	5116.4
25°	4973.6	4999.8	4992.4	5037.3	5022.6
27.5°	4867.0	4891.8	4891.1	4933.4	4910.6
30°	4743.6	4776.5	4778.5	4816.0	4789.2
32.5°	4621.5	4652.3	4661.1	4688.6	4665.8
35°	4484.7	4515.5	4525.6	4553.8	4529.0
37.5°	4337.1	4363.3	4381.4	4402.2	4382.7
40°	4180.9	4204.3	4217.8	4243.2	4217.8
42.5°	4006.5	4040.1	4058.8	4076.9	4035.4
45°	3826.1	3864.3	3872.4	3866.3	3374.1
47.5°	3635.0	3676.6	3681.3	3210.5	3119.9
50°	3424.4	3476.7	3476.0	2967.0	2942.9
52.5°	3205.1	3255.4	3253.4	2776.5	2760.5
55°	2969.0	3023.3	2655.1	2578.0	2579.4
57.5°	2728.2	2767.1	2382.2	2385.5	2341.2
60°	2466.7	2503.6	2151.5	2130.7	2054.2
62.5°	2204.5	2219.9	1928.2	1826.8	1681.3
65°	1928.2	1944.2	1688.1	1388.3	1202.5
67.5°	1644.5	1660.6	1401.0	1032.8	1018.7
70°	1358.7	1227.3	1063.0	860.5	867.1
72.5°	1077.1	943.0	694.8	666.6	481.5
75°	812.2	711.6	539.9	362.8	352.8
77.5°	565.4	490.2	289.0	247.5	231.4
80°	350.7	246.1	173.0	153.6	147.5
82.5°	177.7	141.5	93.9	93.9	93.9
85°	72.4	51.7	53.0	57.6	58.3
87.5°	15.4	20.8	25.5	26.2	25.5
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)