

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: P730503

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16508.0 lumens
Efficiency: N/A
Efficacy: 175.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

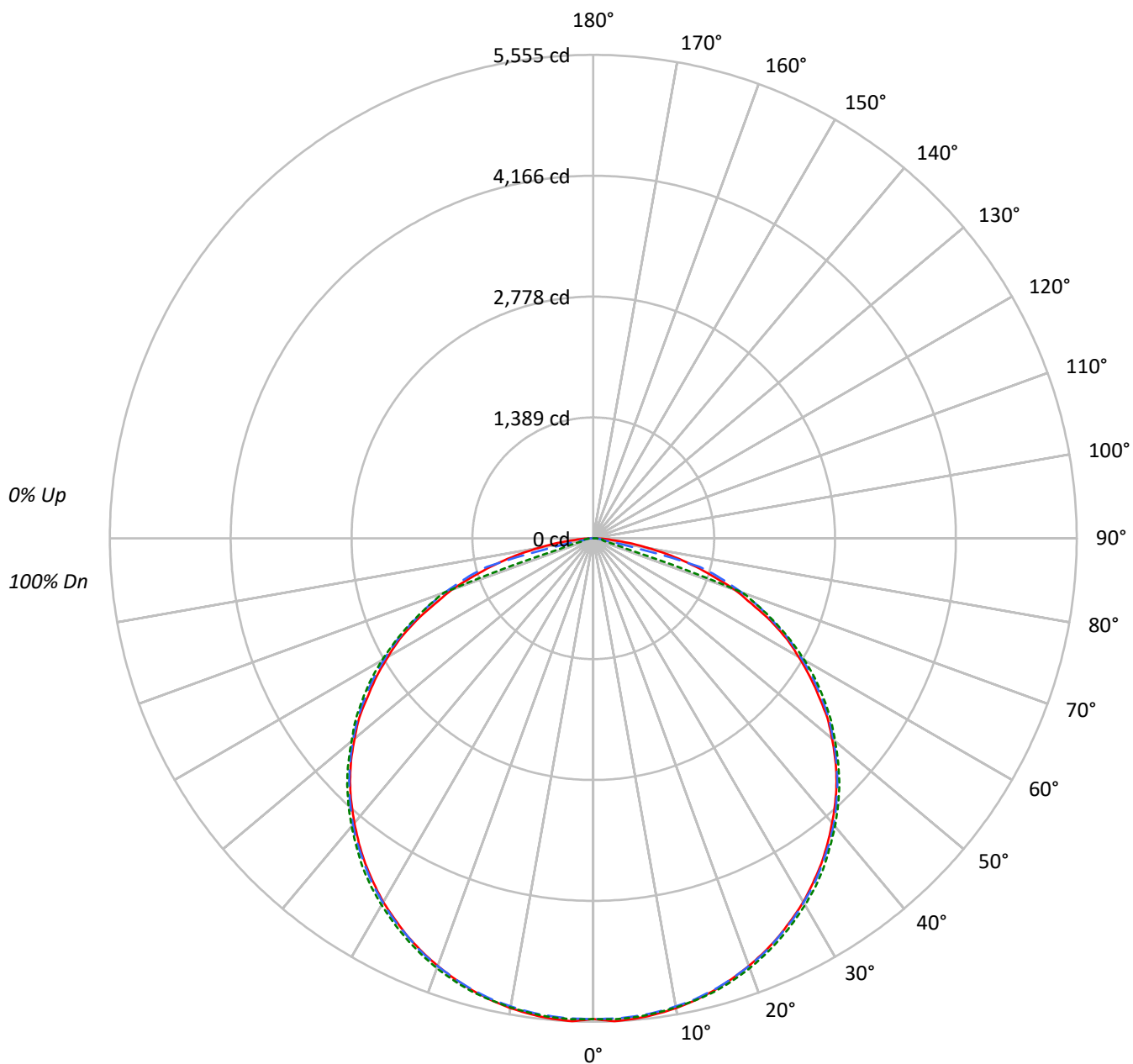
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8919	8919	8919
5°	8983	8937	8953
10°	8988	8956	8974
15°	8987	8975	9016
20°	8986	8988	9035
25°	8991	8995	9050
30°	9000	9012	9071
35°	8999	9028	9103
40°	9000	9057	9106
45°	9025	9059	9132
50°	8998	9050	9109
55°	8899	9024	9121
60°	8798	8941	9052
65°	8604	8782	8848
70°	8168	8516	8621
75°	7285	7900	952
80°	5859	984	1041
85°	3898	1276	1299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.7	3.2
10°-20°	1516.0	9.2
20°-30°	2329.3	14.1
30°-40°	2867.4	17.4
40°-50°	3057.0	18.5
50°-60°	2857.6	17.3
60°-70°	2262.2	13.7
70°-80°	962.5	5.8
80°-90°	131.4	0.8
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°	4369.9	26.5
0°-40°	7237.3	43.8
0°-60°	13151.9	79.7
0°-90°	16508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5524	5524	5524	5524	5524	
5°	5542	5518	5514	5492	5524	527
15°	5376	5366	5369	5354	5394	1518
25°	5047	5040	5049	5047	5080	2327
35°	4565	4558	4580	4596	4618	2857
45°	3953	3930	3967	3983	3999	3046
55°	3161	3171	3206	3217	3240	2831
65°	2252	2272	2299	2316	2316	2215
75°	1168	1218	1266	207	153	1235
85°	210	63	69	71	70	274
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5524.0	5524.0	5524.0	5524.0	5524.0
2.5°	5554.8	5529.0	5524.0	5501.9	5531.4
5°	5542.5	5517.9	5514.2	5492.1	5524.0
7.5°	5516.7	5497.0	5494.5	5471.1	5503.1
10°	5482.2	5463.8	5462.5	5441.6	5473.6
12.5°	5435.4	5419.4	5424.4	5403.5	5435.4
15°	5376.4	5366.5	5369.0	5354.2	5393.6
17.5°	5305.0	5300.1	5305.0	5293.9	5329.6
20°	5229.9	5223.8	5231.2	5225.0	5258.2
22.5°	5142.6	5135.2	5150.0	5141.3	5172.1
25°	5046.6	5040.4	5049.0	5046.6	5079.8
27.5°	4937.1	4930.9	4949.4	4950.6	4976.4
30°	4827.5	4818.9	4833.7	4839.8	4865.7
32.5°	4697.1	4694.6	4716.8	4721.7	4748.8
35°	4565.4	4558.0	4580.2	4596.2	4618.3
37.5°	4421.5	4420.2	4443.6	4457.1	4468.2
40°	4270.1	4263.9	4297.2	4310.7	4320.5
42.5°	4116.3	4102.7	4134.7	4152.0	4163.0
45°	3952.6	3930.5	3967.4	3983.4	3999.4
47.5°	3772.9	3753.3	3788.9	3806.2	3817.2
50°	3582.2	3563.7	3603.1	3617.9	3626.5
52.5°	3390.2	3371.8	3413.6	3425.9	3446.8
55°	3161.3	3171.2	3205.6	3216.7	3240.1
57.5°	2949.7	2958.3	2991.5	3005.1	3032.1
60°	2724.5	2738.0	2768.8	2782.3	2803.2
62.5°	2506.7	2507.9	2544.8	2551.0	2567.0
65°	2252.0	2271.6	2298.7	2315.9	2315.9
67.5°	1967.7	2015.7	2062.4	2058.8	2068.6
70°	1730.2	1748.6	1804.0	1812.6	1826.2
72.5°	1432.4	1480.4	1541.9	1151.8	391.3
75°	1167.8	1218.3	1266.3	206.7	152.6
77.5°	906.9	946.3	420.9	118.1	115.7
80°	630.1	692.8	105.8	108.3	112.0
82.5°	414.7	338.4	87.4	96.0	97.2
85°	210.4	62.8	68.9	71.4	70.1
87.5°	68.9	38.1	39.4	40.6	41.8
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)