

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: P730327

Luminaire Tested: **HBLED-LD5-12SE-W-A-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-A-UNV-L850
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10947.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

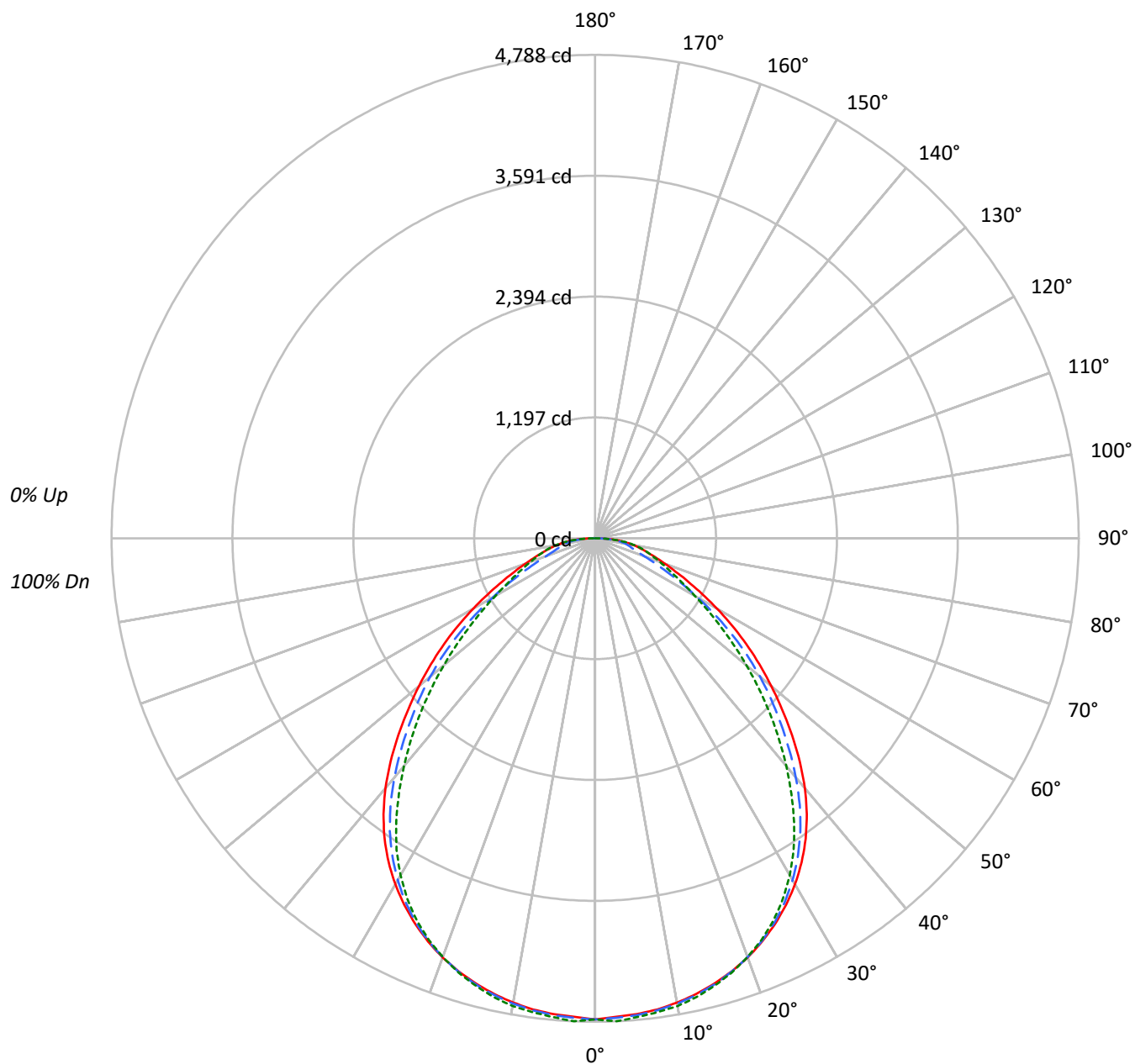
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7694	7694	7694
5°	7667	7684	7716
10°	7656	7674	7713
15°	7630	7646	7664
20°	7591	7585	7580
25°	7508	7482	7440
30°	7379	7289	7183
35°	7164	6984	6769
40°	6808	6516	6203
45°	6289	5938	5579
50°	5717	5347	4907
55°	5141	4629	4242
60°	4498	3783	3681
65°	3879	2975	3322
70°	3458	2428	3202
75°	3313	2371	3346
80°	3583	2803	3728
85°	4022	3375	4063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.6	4.1
10°-20°	1292.6	11.8
20°-30°	1933.6	17.7
30°-40°	2206.0	20.2
40°-50°	2008.1	18.3
50°-60°	1474.5	13.5
60°-70°	870.6	8.0
70°-80°	498.9	4.6
80°-90°	211.0	1.9
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°	3677.8	33.6
0°-40°	5883.8	53.7
0°-60°	9366.4	85.6
0°-90°	10947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10947.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4765	4765	4765	4765	4765	
5°	4730	4760	4741	4760	4761	450
15°	4565	4590	4574	4590	4585	1288
25°	4214	4230	4200	4198	4176	1940
35°	3635	3617	3543	3483	3434	2265
45°	2754	2738	2601	2484	2443	2123
55°	1826	1742	1645	1525	1507	1633
65°	1015	886	779	833	870	1022
75°	531	455	380	496	536	572
85°	217	200	182	215	219	227
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4765.4	4765.4	4765.4	4765.4	4765.4
2.5°	4743.4	4770.8	4753.6	4772.4	4788.5
5°	4730.5	4760.0	4741.2	4760.0	4760.6
7.5°	4706.9	4734.2	4716.0	4736.4	4734.2
10°	4669.7	4697.2	4680.5	4702.5	4704.2
12.5°	4622.4	4648.8	4631.6	4656.9	4652.6
15°	4564.9	4590.2	4574.1	4590.2	4584.9
17.5°	4497.2	4520.3	4499.4	4517.1	4508.0
20°	4417.7	4437.0	4414.5	4431.1	4411.3
22.5°	4322.6	4339.8	4316.1	4325.2	4304.8
25°	4214.5	4229.6	4200.0	4198.4	4176.4
27.5°	4094.1	4102.2	4064.6	4051.7	4026.4
30°	3957.7	3959.8	3909.8	3885.7	3852.8
32.5°	3804.5	3799.1	3735.1	3699.2	3658.8
35°	3634.7	3616.9	3543.3	3482.6	3434.2
37.5°	3442.8	3414.9	3326.7	3237.0	3190.7
40°	3230.0	3197.2	3091.3	2980.1	2943.0
42.5°	2998.4	2970.4	2845.7	2729.6	2693.1
45°	2754.4	2738.2	2600.6	2484.0	2443.2
47.5°	2510.3	2498.5	2364.2	2245.4	2195.9
50°	2276.0	2250.2	2128.8	1998.7	1953.6
52.5°	2048.7	1996.0	1889.1	1755.8	1722.5
55°	1826.2	1741.8	1644.6	1525.3	1507.0
57.5°	1605.8	1496.7	1402.2	1312.9	1312.4
60°	1393.0	1268.3	1171.6	1124.8	1139.9
62.5°	1193.6	1065.7	960.9	964.1	991.6
65°	1015.2	886.2	778.7	833.0	869.6
67.5°	862.1	739.0	629.9	730.9	765.8
70°	732.5	621.3	514.3	640.6	678.2
72.5°	623.4	529.9	433.7	565.4	603.5
75°	531.0	455.2	380.0	495.5	536.3
77.5°	455.8	388.6	340.8	428.8	471.3
80°	385.3	326.2	301.5	364.4	400.9
82.5°	305.2	264.4	249.9	296.1	314.9
85°	217.1	200.5	182.2	215.0	219.3
87.5°	119.3	123.6	102.1	123.6	124.1
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)