

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: P730350

Luminaire Tested: **HBLED-LD5-12SE-W-CLI-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CLI-UNV-L840
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11347.0 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

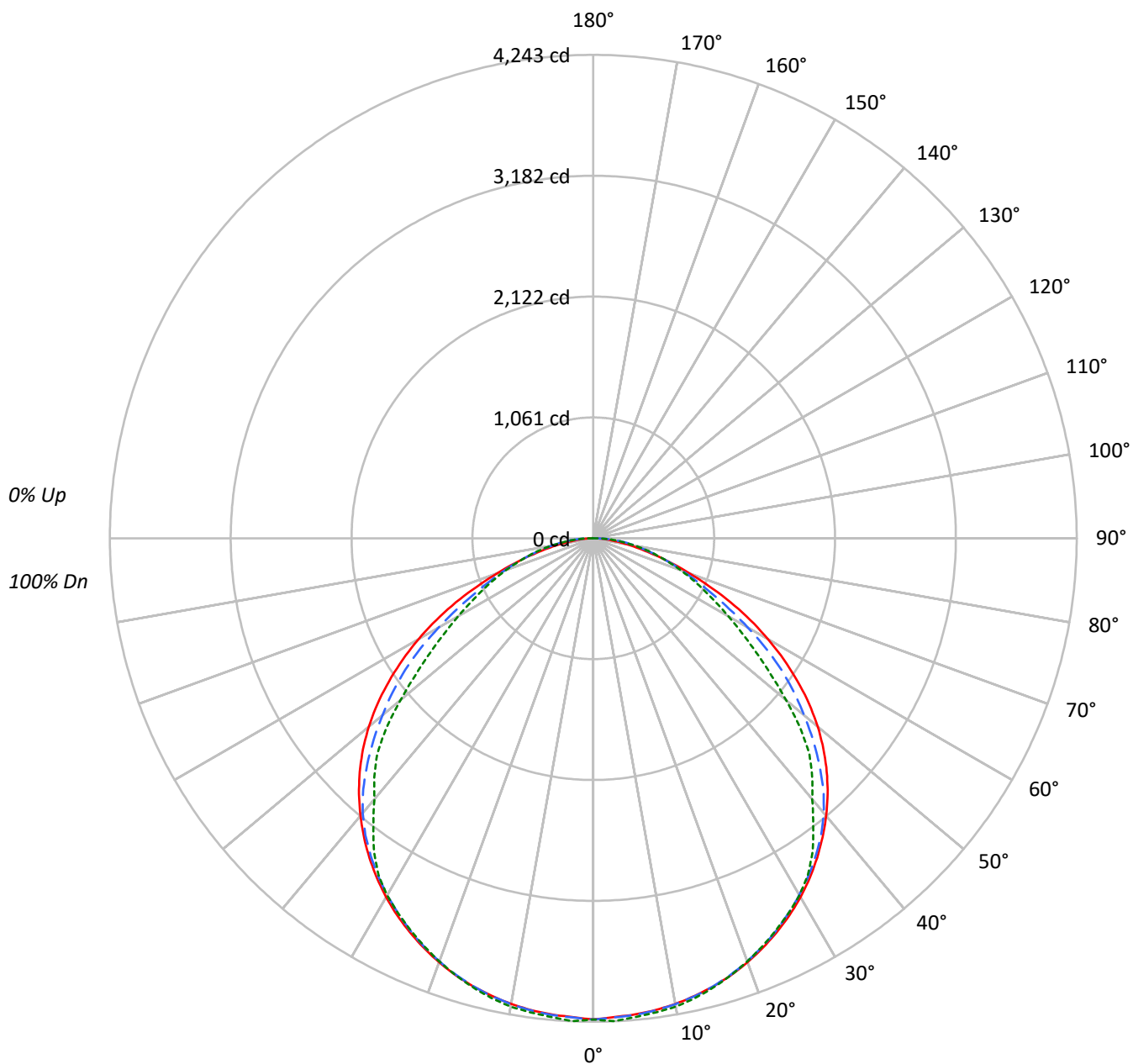
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6819	6819	6819
5°	6801	6806	6836
10°	6805	6808	6844
15°	6805	6805	6821
20°	6804	6788	6790
25°	6793	6768	6760
30°	6782	6742	6745
35°	6751	6709	6614
40°	6702	6634	6299
45°	6617	6406	6125
50°	6458	6065	5548
55°	6164	5672	4905
60°	5720	5061	4424
65°	5085	4382	4068
70°	4220	3916	3834
75°	3413	3583	3628
80°	2710	3427	3413
85°	2123	3683	3512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	3.5
10°-20°	1152.1	10.2
20°-30°	1756.7	15.5
30°-40°	2125.4	18.7
40°-50°	2152.8	19.0
50°-60°	1779.3	15.7
60°-70°	1175.2	10.4
70°-80°	612.8	5.4
80°-90°	192.1	1.7
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°	3309.3	29.2
0°-40°	5434.7	47.9
0°-60°	9366.9	82.5
0°-90°	11347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4223	4223	4223	4223	4223	
5°	4196	4221	4199	4217	4218	399
15°	4071	4092	4071	4084	4080	1150
25°	3813	3828	3799	3809	3794	1758
35°	3425	3429	3404	3399	3355	2142
45°	2898	2890	2805	2718	2683	2232
55°	2190	2157	2015	1819	1743	1952
65°	1331	1292	1147	1072	1065	1315
75°	547	557	574	582	582	596
85°	115	148	199	197	190	139
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4223.4	4223.4	4223.4	4223.4	4223.4
2.5°	4205.7	4230.5	4209.7	4228.0	4242.7
5°	4196.0	4221.4	4199.1	4217.3	4217.8
7.5°	4177.3	4202.6	4179.8	4198.1	4197.6
10°	4150.4	4174.3	4152.4	4174.3	4174.3
12.5°	4113.9	4137.2	4116.0	4136.2	4133.1
15°	4071.3	4092.1	4070.8	4083.5	4080.4
17.5°	4021.1	4039.9	4016.0	4026.7	4020.6
20°	3959.8	3977.0	3950.7	3964.4	3951.6
22.5°	3890.8	3907.0	3880.2	3890.3	3876.1
25°	3813.3	3828.5	3799.1	3808.7	3794.5
27.5°	3729.6	3743.3	3710.3	3722.0	3710.8
30°	3637.8	3644.4	3616.0	3631.2	3618.1
32.5°	3535.4	3539.5	3514.6	3528.3	3506.0
35°	3424.9	3429.4	3403.6	3399.0	3355.4
37.5°	3306.7	3308.8	3284.4	3243.3	3171.4
40°	3180.0	3179.0	3147.6	3052.7	2988.8
42.5°	3044.6	3044.1	2988.8	2880.8	2844.4
45°	2898.1	2890.5	2805.3	2718.1	2682.6
47.5°	2740.9	2732.8	2613.7	2544.2	2463.6
50°	2571.1	2556.9	2414.4	2319.6	2208.6
52.5°	2388.0	2366.2	2221.2	2068.1	1963.2
55°	2189.8	2157.3	2014.9	1819.2	1742.6
57.5°	1983.4	1935.3	1796.8	1606.2	1543.9
60°	1771.5	1717.7	1567.2	1410.5	1369.9
62.5°	1553.5	1500.3	1346.6	1228.5	1206.2
65°	1330.9	1292.4	1146.9	1072.3	1064.8
67.5°	1102.8	1089.1	978.0	940.0	937.0
70°	893.9	891.3	829.5	810.2	812.2
72.5°	714.4	711.3	702.2	692.6	693.1
75°	547.1	556.7	574.4	582.0	581.6
77.5°	408.1	427.9	465.4	480.6	478.1
80°	291.5	321.0	368.6	382.8	367.1
82.5°	194.2	225.1	281.4	283.4	270.7
85°	114.6	147.5	198.8	197.2	189.6
87.5°	56.8	88.7	119.1	114.1	109.0
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)