

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: P730274

Luminaire Tested: **HBLED-LD5-12HE-W-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730274
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-LD5-12HE-W-CLI-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11781.0 lumens
Efficiency: N/A
Efficacy: 162.0 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

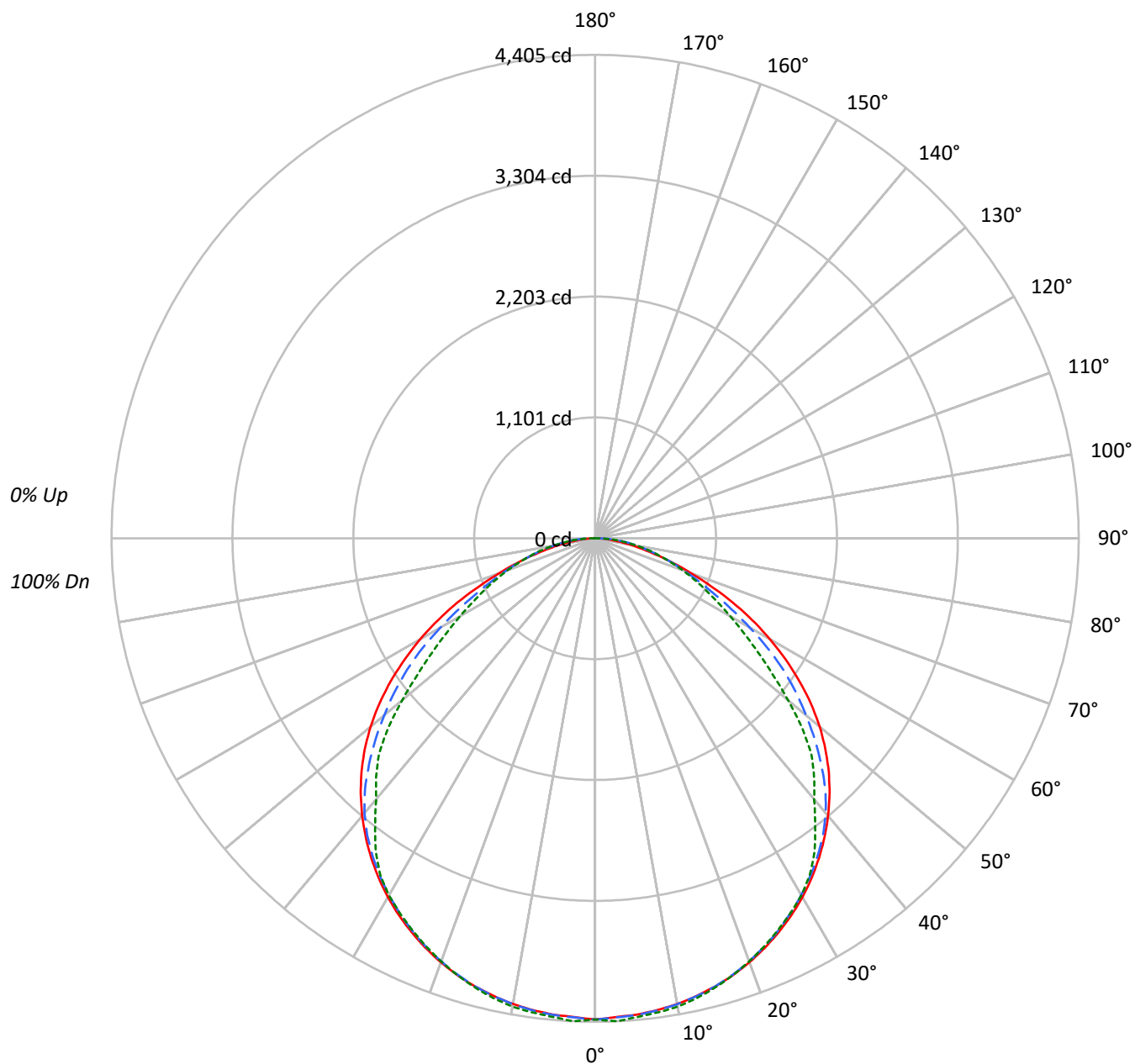
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7080	7080	7080
5°	7061	7066	7098
10°	7065	7068	7105
15°	7066	7065	7081
20°	7064	7048	7049
25°	7053	7027	7018
30°	7042	6999	7003
35°	7009	6965	6867
40°	6959	6888	6540
45°	6870	6651	6360
50°	6705	6296	5760
55°	6400	5889	5093
60°	5939	5254	4593
65°	5279	4549	4223
70°	4381	4065	3981
75°	3543	3721	3767
80°	2815	3558	3543
85°	2203	3824	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.8	3.5
10°-20°	1196.1	10.2
20°-30°	1823.9	15.5
30°-40°	2206.7	18.7
40°-50°	2235.1	19.0
50°-60°	1847.4	15.7
60°-70°	1220.2	10.4
70°-80°	636.3	5.4
80°-90°	199.5	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°	3435.9	29.2
0°-40°	5642.6	47.9
0°-60°	9725.1	82.5
0°-90°	11781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4356	4383	4360	4379	4379	414
15°	4227	4249	4226	4240	4236	1194
25°	3959	3975	3944	3954	3940	1826
35°	3556	3561	3534	3529	3484	2224
45°	3009	3001	2913	2822	2785	2317
55°	2274	2240	2092	1889	1809	2026
65°	1382	1342	1191	1113	1106	1365
75°	568	578	596	604	604	619
85°	119	153	206	205	197	144
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4384.9	4384.9	4384.9	4384.9	4384.9
2.5°	4366.5	4392.3	4370.7	4389.7	4404.9
5°	4356.5	4382.9	4359.7	4378.6	4379.2
7.5°	4337.1	4363.4	4339.7	4358.6	4358.1
10°	4309.1	4333.9	4311.2	4333.9	4333.9
12.5°	4271.3	4295.5	4273.4	4294.4	4291.2
15°	4227.1	4248.6	4226.5	4239.7	4236.5
17.5°	4174.9	4194.4	4169.6	4180.7	4174.4
20°	4111.2	4129.1	4101.8	4116.0	4102.8
22.5°	4039.6	4056.5	4028.6	4039.1	4024.3
25°	3959.1	3974.9	3944.4	3954.4	3939.6
27.5°	3872.2	3886.4	3852.2	3864.4	3852.7
30°	3776.9	3783.8	3754.3	3770.1	3756.5
32.5°	3670.6	3674.8	3649.0	3663.2	3640.1
35°	3555.8	3560.6	3533.8	3529.0	3483.8
37.5°	3433.2	3435.3	3410.1	3367.4	3292.7
40°	3301.6	3300.6	3267.9	3169.5	3103.1
42.5°	3161.0	3160.6	3103.1	2991.0	2953.1
45°	3008.9	3001.1	2912.6	2822.1	2785.2
47.5°	2845.8	2837.3	2713.6	2641.5	2557.8
50°	2669.4	2654.7	2506.7	2408.3	2293.0
52.5°	2479.4	2456.7	2306.2	2147.2	2038.2
55°	2273.5	2239.8	2092.0	1888.8	1809.3
57.5°	2059.3	2009.3	1865.6	1667.7	1602.9
60°	1839.3	1783.4	1627.1	1464.5	1422.3
62.5°	1612.9	1557.6	1398.1	1275.5	1252.3
65°	1381.8	1341.8	1190.7	1113.3	1105.5
67.5°	1144.9	1130.7	1015.4	976.0	972.8
70°	928.1	925.4	861.2	841.2	843.3
72.5°	741.7	738.6	729.1	719.1	719.6
75°	568.0	578.0	596.4	604.3	603.8
77.5°	423.8	444.3	483.2	499.0	496.4
80°	302.7	333.2	382.7	397.5	381.1
82.5°	201.6	233.7	292.1	294.2	281.1
85°	118.9	153.2	206.4	204.8	196.9
87.5°	58.9	92.1	123.7	118.4	113.2
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)