

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: P730367

Luminaire Tested: **HBLED-LD5-12SE-W-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-WG-UNV-L835
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11243.0 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

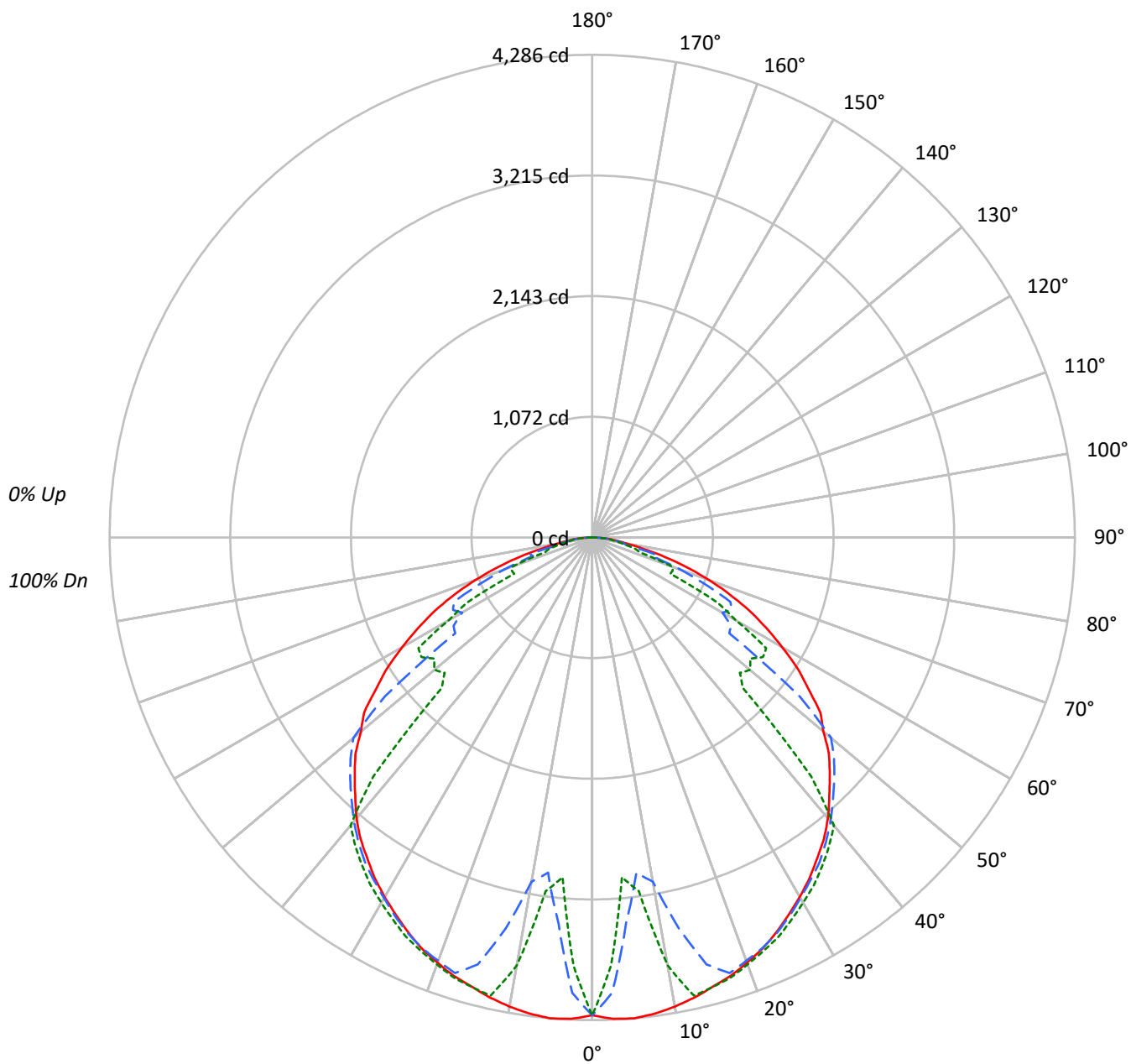
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6852	6852	6852
5°	6947	5581	4908
10°	6935	5090	6330
15°	6905	6560	6910
20°	6905	6873	6934
25°	6892	6908	6971
30°	6872	6895	6984
35°	6861	6937	7019
40°	6862	6937	7037
45°	6809	6942	4314
50°	6732	6956	4598
55°	6590	4182	5211
60°	6286	4311	4772
65°	5890	5176	2920
70°	5201	3922	3579
75°	4144	3565	2482
80°	2854	2576	2133
85°	2736	2379	2256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	3.0
10°-20°	1063.2	9.5
20°-30°	1749.1	15.6
30°-40°	2199.3	19.6
40°-50°	2157.0	19.2
50°-60°	1787.2	15.9
60°-70°	1260.5	11.2
70°-80°	550.0	4.9
80°-90°	137.4	1.2
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°	3151.7	28.0
0°-40°	5351.0	47.6
0°-60°	9295.1	82.7
0°-90°	11243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4244	4244	4244	4244	4244	
5°	4286	3990	3444	3122	3028	407
15°	4131	2869	3925	4147	4134	1168
25°	3869	3540	3878	3903	3913	1783
35°	3481	3479	3520	3543	3561	2181
45°	2982	2991	3040	2693	1889	2302
55°	2341	2418	1486	1689	1851	2094
65°	1542	1632	1355	1042	764	1516
75°	664	651	571	374	398	712
85°	148	131	128	123	122	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4243.9	4243.9	4243.9	4243.9	4243.9
2.5°	4278.9	4190.1	4049.0	3871.4	3808.5
5°	4286.5	3989.6	3443.6	3122.4	3028.5
7.5°	4264.7	3625.8	3002.1	3069.6	3169.1
10°	4230.2	3306.1	3104.6	3652.7	3861.2
12.5°	4186.0	3021.9	3556.7	4126.1	4167.7
15°	4130.7	2868.7	3924.7	4147.0	4134.2
17.5°	4084.0	2958.5	4056.6	4105.3	4096.2
20°	4018.5	3137.6	4000.3	4039.4	4035.8
22.5°	3952.6	3349.7	3947.0	3974.9	3974.9
25°	3868.9	3540.0	3877.5	3903.4	3913.0
27.5°	3777.0	3649.6	3790.7	3812.0	3829.3
30°	3686.2	3665.4	3698.4	3725.8	3746.0
32.5°	3590.3	3582.2	3608.0	3636.9	3662.8
35°	3481.1	3479.1	3519.7	3543.0	3560.8
37.5°	3378.6	3371.6	3409.1	3441.6	3455.3
40°	3255.9	3255.9	3291.4	3324.3	3338.6
42.5°	3115.8	3135.6	3163.0	3197.0	2879.3
45°	2981.8	2991.0	3040.2	2692.6	1889.3
47.5°	2852.9	2864.6	2911.3	1730.9	1778.2
50°	2679.9	2732.6	2769.2	1725.9	1830.4
52.5°	2553.5	2576.3	2324.6	1708.6	1767.5
55°	2340.9	2417.5	1485.8	1689.3	1851.2
57.5°	2159.2	2215.1	1461.0	1730.9	1831.4
60°	1946.6	2031.9	1335.1	1670.1	1477.7
62.5°	1742.6	1823.8	1394.0	1314.3	1251.4
65°	1541.6	1632.5	1354.9	1042.3	764.2
67.5°	1321.4	1236.7	1080.9	734.3	772.9
70°	1101.7	863.7	830.7	821.1	758.1
72.5°	875.9	630.3	551.6	616.1	441.0
75°	664.3	651.1	571.4	373.5	397.9
77.5°	460.8	469.9	306.0	364.3	302.4
80°	307.0	265.9	277.1	232.4	229.4
82.5°	212.6	217.2	182.2	176.6	179.2
85°	147.7	131.4	128.4	122.8	121.8
87.5°	49.2	57.4	53.3	48.2	51.3
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)