

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: P730361

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730361
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-LD5-12SE-W-UNV-L835
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11872.0 lumens
Efficiency: N/A
Efficacy: 158.3 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

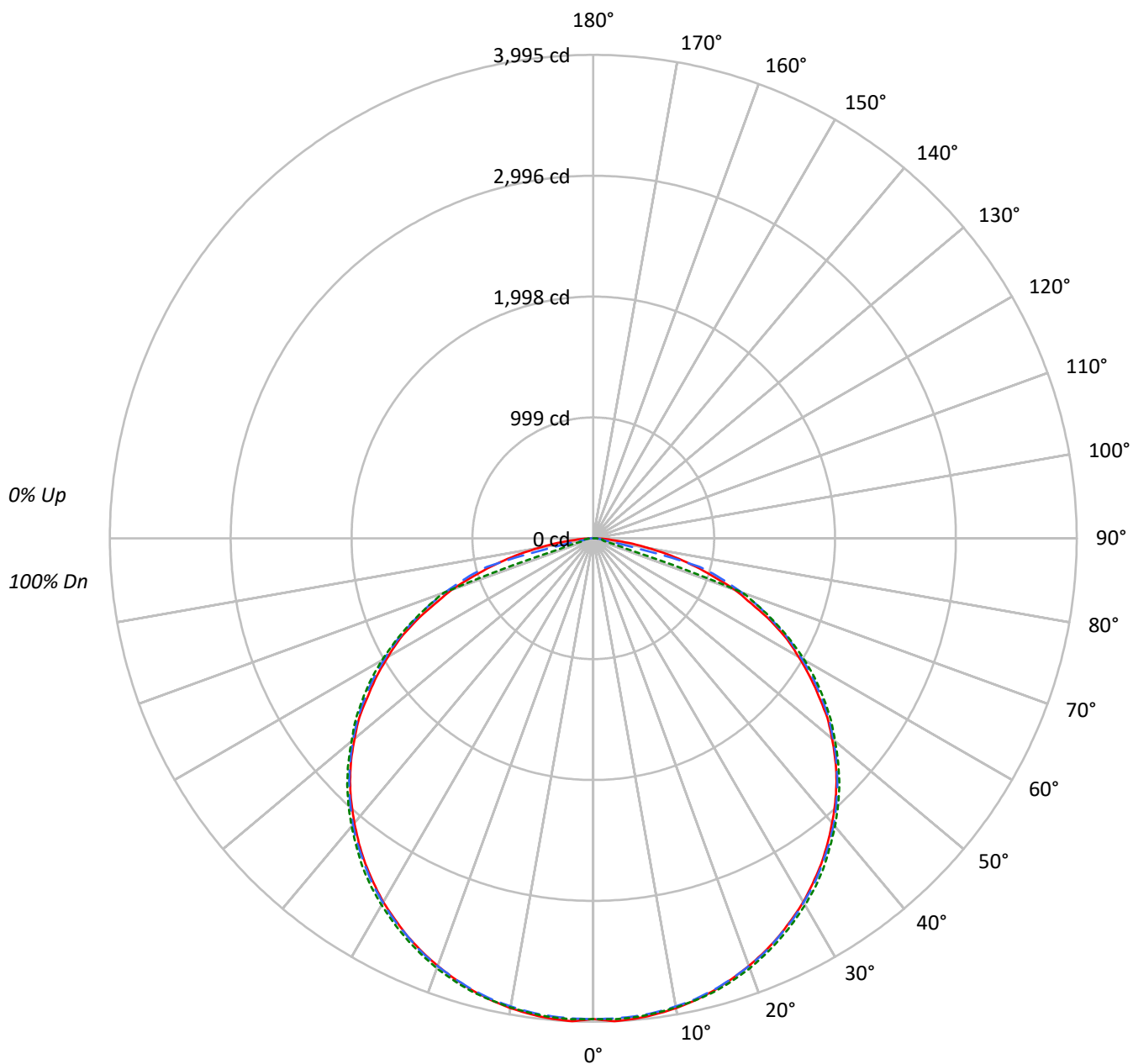
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6414	6414	6414
5°	6460	6427	6439
10°	6464	6441	6454
15°	6463	6454	6484
20°	6463	6464	6498
25°	6466	6469	6508
30°	6473	6481	6524
35°	6472	6492	6547
40°	6473	6514	6549
45°	6491	6515	6567
50°	6471	6509	6551
55°	6400	6490	6559
60°	6327	6430	6510
65°	6187	6316	6363
70°	5874	6125	6200
75°	5240	5681	684
80°	4213	708	748
85°	2803	919	934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.3	3.2
10°-20°	1090.3	9.2
20°-30°	1675.1	14.1
30°-40°	2062.1	17.4
40°-50°	2198.5	18.5
50°-60°	2055.1	17.3
60°-70°	1626.9	13.7
70°-80°	692.2	5.8
80°-90°	94.5	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°	3142.7	26.5
0°-40°	5204.9	43.8
0°-60°	9458.4	79.7
0°-90°	11872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3973	3973	3973	3973	3973	
5°	3986	3968	3966	3950	3973	379
15°	3866	3859	3861	3851	3879	1092
25°	3629	3625	3631	3629	3653	1673
35°	3283	3278	3294	3305	3321	2054
45°	2843	2827	2853	2865	2876	2190
55°	2274	2281	2305	2313	2330	2036
65°	1620	1634	1653	1666	1666	1593
75°	840	876	911	149	110	889
85°	151	45	50	51	50	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3972.7	3972.7	3972.7	3972.7	3972.7
2.5°	3994.8	3976.3	3972.7	3956.8	3978.0
5°	3986.0	3968.3	3965.6	3949.7	3972.7
7.5°	3967.4	3953.2	3951.5	3934.7	3957.7
10°	3942.6	3929.3	3928.5	3913.4	3936.4
12.5°	3909.0	3897.5	3901.0	3886.0	3909.0
15°	3866.5	3859.4	3861.2	3850.6	3878.9
17.5°	3815.2	3811.6	3815.2	3807.2	3832.9
20°	3761.2	3756.8	3762.1	3757.7	3781.6
22.5°	3698.4	3693.1	3703.7	3697.5	3719.6
25°	3629.3	3624.9	3631.1	3629.3	3653.2
27.5°	3550.6	3546.1	3559.4	3560.3	3578.9
30°	3471.8	3465.6	3476.2	3480.7	3499.2
32.5°	3378.0	3376.2	3392.2	3395.7	3415.2
35°	3283.3	3278.0	3293.9	3305.4	3321.4
37.5°	3179.8	3178.9	3195.7	3205.4	3213.4
40°	3070.9	3066.5	3090.4	3100.1	3107.2
42.5°	2960.3	2950.5	2973.6	2985.9	2993.9
45°	2842.6	2826.7	2853.2	2864.7	2876.2
47.5°	2713.4	2699.2	2724.9	2737.3	2745.2
50°	2576.2	2562.9	2591.2	2601.9	2608.1
52.5°	2438.1	2424.9	2455.0	2463.8	2478.9
55°	2273.5	2280.6	2305.4	2313.4	2330.2
57.5°	2121.3	2127.5	2151.4	2161.1	2180.6
60°	1959.4	1969.1	1991.2	2001.0	2016.0
62.5°	1802.7	1803.6	1830.2	1834.6	1846.1
65°	1619.5	1633.7	1653.2	1665.5	1665.5
67.5°	1415.1	1449.6	1483.2	1480.6	1487.7
70°	1244.3	1257.6	1297.4	1303.6	1313.3
72.5°	1030.1	1064.6	1108.9	828.3	281.4
75°	839.9	876.1	910.7	148.7	109.7
77.5°	652.2	680.6	302.7	85.0	83.2
80°	453.1	498.2	76.1	77.9	80.5
82.5°	298.2	243.4	62.8	69.0	69.9
85°	151.3	45.1	49.6	51.3	50.4
87.5°	49.6	27.4	28.3	29.2	30.1
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)