

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: P730307

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CL-WG-UNV-L835
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10530.0 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

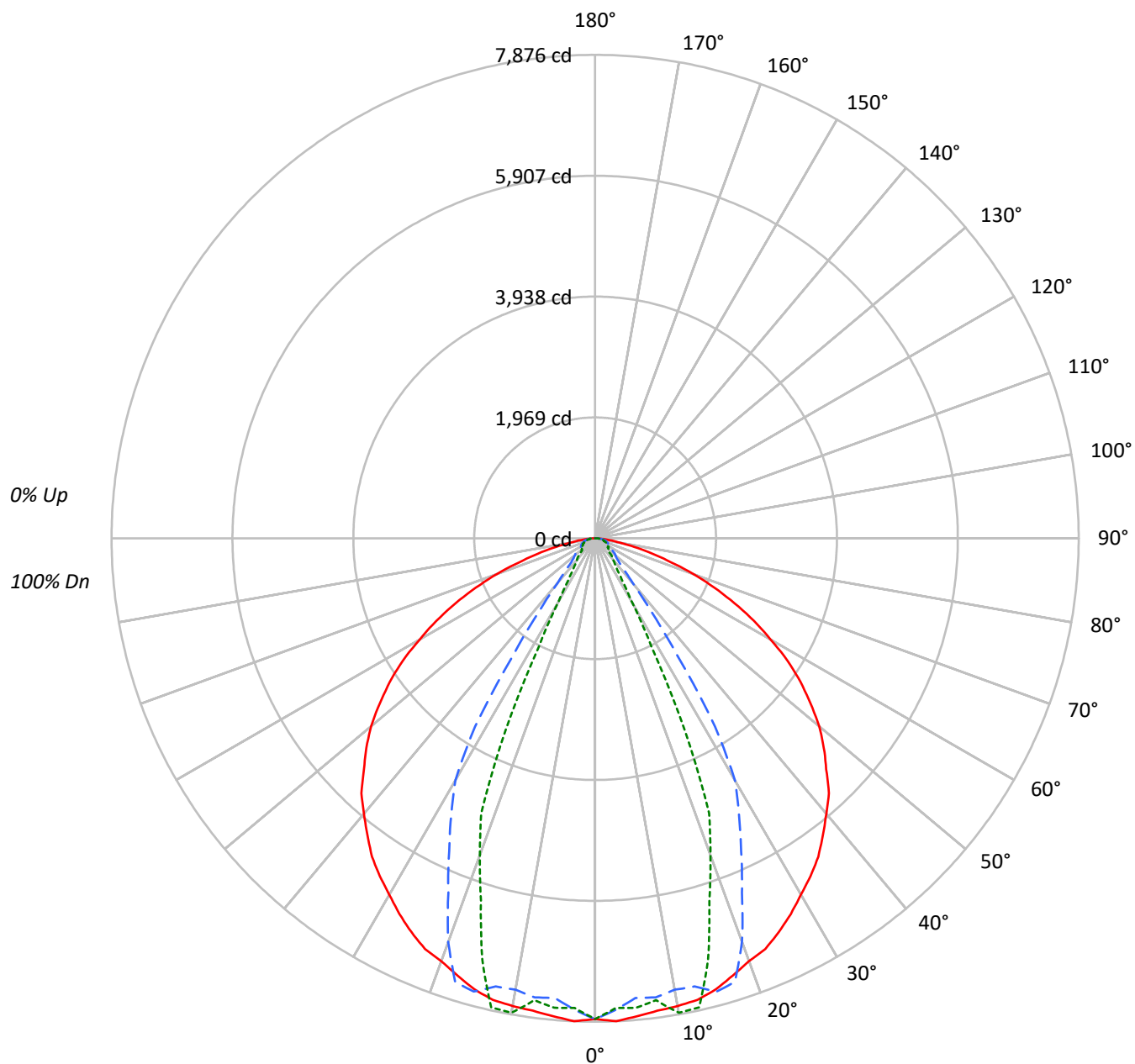
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12647	12647	12647
5°	12667	12185	12442
10°	12686	12244	12872
15°	12714	12780	11879
20°	12594	12021	9428
25°	12612	10021	6159
30°	12499	8489	2212
35°	12486	4599	1245
40°	12345	2005	975
45°	12154	1239	764
50°	11964	1079	721
55°	11494	936	706
60°	10664	839	759
65°	9585	948	829
70°	8039	1019	854
75°	6010	1162	925
80°	3775	1350	1055
85°	2514	1691	1545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.0	6.9
10°-20°	2050.0	19.5
20°-30°	2510.3	23.8
30°-40°	1971.4	18.7
40°-50°	1461.9	13.9
50°-60°	890.0	8.5
60°-70°	533.1	5.1
70°-80°	292.5	2.8
80°-90°	94.9	0.9
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°	5286.3	50.2
0°-40°	7257.7	68.9
0°-60°	9609.5	91.3
0°-90°	10530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7833	7833	7833	7833	7833	
5°	7816	7603	7518	7601	7676	743
15°	7606	7398	7646	7337	7106	2142
25°	7080	7102	5625	4412	3457	3259
35°	6335	5762	2333	781	631	3953
45°	5323	3822	543	411	335	4116
55°	4083	1053	332	281	251	3634
65°	2509	310	248	233	217	2479
75°	963	196	186	162	148	1043
85°	136	107	91	84	83	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7832.7	7832.7	7832.7	7832.7	7832.7
2.5°	7875.5	7769.4	7688.1	7642.7	7661.2
5°	7815.8	7603.1	7518.1	7601.0	7676.5
7.5°	7764.1	7447.9	7544.0	7551.4	7591.0
10°	7737.7	7433.1	7467.9	7632.1	7851.2
12.5°	7702.9	7467.5	7479.6	7703.4	7826.9
15°	7606.3	7397.8	7645.9	7337.1	7106.4
17.5°	7465.3	7235.2	7576.2	6499.8	6186.3
20°	7329.6	7058.3	6996.1	5789.8	5487.3
22.5°	7242.0	7031.4	6249.6	5159.0	4846.5
25°	7079.5	7101.6	5625.1	4412.0	3457.1
27.5°	6900.5	6936.4	5073.0	2942.4	1980.6
30°	6704.1	6745.3	4553.5	1738.8	1186.7
32.5°	6526.2	6294.0	3636.6	1084.8	825.1
35°	6334.6	5762.4	2333.2	780.7	631.4
37.5°	6093.4	5203.9	1477.0	617.6	530.0
40°	5856.9	4702.4	951.3	527.3	462.4
42.5°	5635.7	4289.1	692.1	460.9	417.6
45°	5322.7	3821.9	542.7	411.2	334.7
47.5°	5051.9	3274.0	474.6	347.9	288.8
50°	4763.1	2503.2	429.7	309.4	287.2
52.5°	4420.5	1637.5	397.0	296.1	268.1
55°	4083.2	1053.1	332.5	281.4	250.7
57.5°	3718.9	667.8	293.5	272.9	261.8
60°	3302.4	450.3	259.7	258.6	234.9
62.5°	2917.1	370.0	250.7	248.1	222.2
65°	2509.0	310.4	248.1	233.3	217.0
67.5°	2101.5	266.1	224.4	213.2	199.0
70°	1703.0	243.4	215.9	211.2	181.0
72.5°	1293.3	200.6	191.6	179.0	150.5
75°	963.4	195.8	186.3	162.0	148.3
77.5°	651.9	180.5	169.5	145.2	134.1
80°	406.0	165.8	145.2	127.2	113.5
82.5°	241.2	138.3	119.3	105.1	96.1
85°	135.7	106.6	91.3	83.9	83.4
87.5°	29.0	38.5	30.6	29.0	20.6
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)