

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: P730237

Luminaire Tested: **HBLED-LD5-12HE-N-CL-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730237
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-LD5-12HE-N-CL-WG-UNV-L850
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11280.0 lumens
Efficiency: N/A
Efficacy: 155.2 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

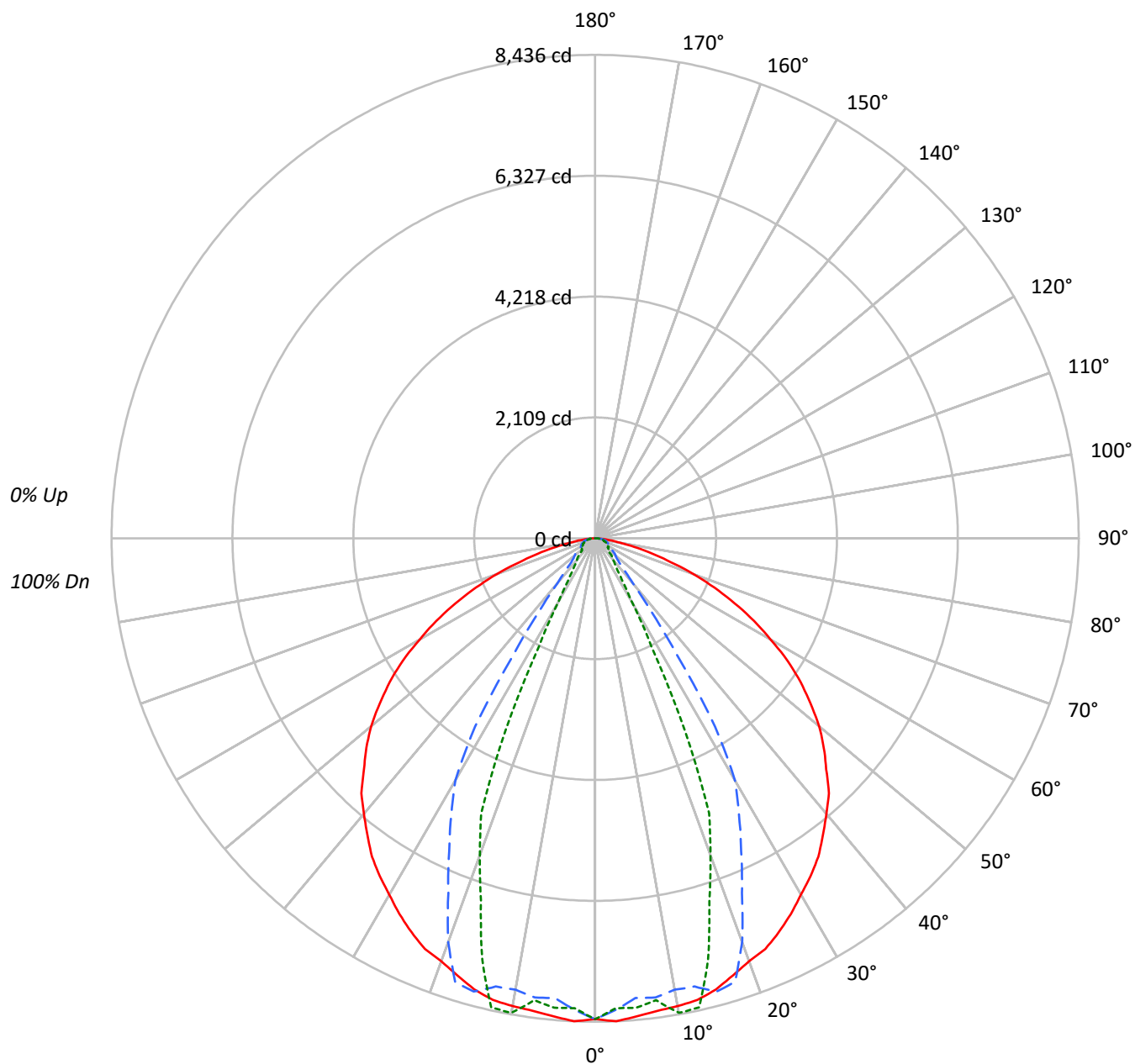
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13547	13547	13547
5°	13570	13053	13328
10°	13589	13116	13789
15°	13620	13691	12725
20°	13491	12877	10100
25°	13510	10735	6598
30°	13389	9094	2370
35°	13375	4926	1333
40°	13224	2148	1044
45°	13019	1327	819
50°	12816	1156	773
55°	12313	1003	756
60°	11424	898	812
65°	10268	1015	888
70°	8612	1092	915
75°	6438	1245	991
80°	4044	1446	1131
85°	2692	1812	1654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.7	6.9
10°-20°	2196.0	19.5
20°-30°	2689.1	23.8
30°-40°	2111.8	18.7
40°-50°	1566.0	13.9
50°-60°	953.3	8.5
60°-70°	571.1	5.1
70°-80°	313.3	2.8
80°-90°	101.6	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°	5662.8	50.2
0°-40°	7774.6	68.9
0°-60°	10294.0	91.3
0°-90°	11280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8391	8391	8391	8391	8391	
5°	8372	8145	8054	8142	8223	796
15°	8148	7925	8190	7860	7612	2294
25°	7584	7607	6026	4726	3703	3491
35°	6786	6173	2499	836	676	4234
45°	5702	4094	581	440	358	4409
55°	4374	1128	356	301	269	3892
65°	2688	332	266	250	232	2655
75°	1032	210	200	174	159	1117
85°	145	114	98	90	89	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8390.6	8390.6	8390.6	8390.6	8390.6
2.5°	8436.4	8322.8	8235.7	8187.1	8206.8
5°	8372.5	8144.6	8053.6	8142.4	8223.2
7.5°	8317.1	7978.4	8081.3	8089.2	8131.6
10°	8288.8	7962.6	7999.9	8175.7	8410.4
12.5°	8251.5	7999.3	8012.3	8252.1	8384.4
15°	8148.1	7924.7	8190.5	7859.6	7612.5
17.5°	7997.0	7750.5	8115.8	6962.8	6626.9
20°	7851.7	7561.1	7494.4	6202.2	5878.2
22.5°	7757.9	7532.2	6694.8	5526.4	5191.7
25°	7583.7	7607.4	6025.8	4726.3	3703.4
27.5°	7392.0	7430.4	5434.3	3152.0	2121.7
30°	7181.6	7225.8	4877.8	1862.7	1271.2
32.5°	6991.1	6742.2	3895.6	1162.1	883.8
35°	6785.8	6172.8	2499.4	836.4	676.3
37.5°	6527.4	5574.5	1582.2	661.6	567.8
40°	6274.0	5037.3	1019.0	564.9	495.4
42.5°	6037.1	4594.6	741.3	493.7	447.3
45°	5701.8	4094.1	581.3	440.5	358.5
47.5°	5411.7	3507.1	508.4	372.7	309.3
50°	5102.3	2681.5	460.3	331.4	307.6
52.5°	4735.3	1754.1	425.2	317.2	287.2
55°	4374.0	1128.2	356.2	301.4	268.6
57.5°	3983.8	715.3	314.4	292.3	280.5
60°	3537.7	482.3	278.2	277.1	251.6
62.5°	3124.8	396.4	268.6	265.8	238.1
65°	2687.7	332.5	265.8	249.9	232.4
67.5°	2251.2	285.0	240.4	228.4	213.2
70°	1824.3	260.7	231.3	226.2	193.9
72.5°	1385.4	214.9	205.3	191.7	161.2
75°	1032.0	209.8	199.6	173.6	158.9
77.5°	698.4	193.4	181.5	155.5	143.6
80°	434.9	177.6	155.5	136.3	121.6
82.5°	258.4	148.2	127.8	112.5	102.9
85°	145.3	114.2	97.8	89.9	89.3
87.5°	31.1	41.3	32.8	31.1	22.0
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)