

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: P730279

Luminaire Tested: **HBLED-LD5-12HE-W-CLI-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730279
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-L850
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: 11814.0 lumens
Efficiency: N/A
Efficacy: 162.5 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

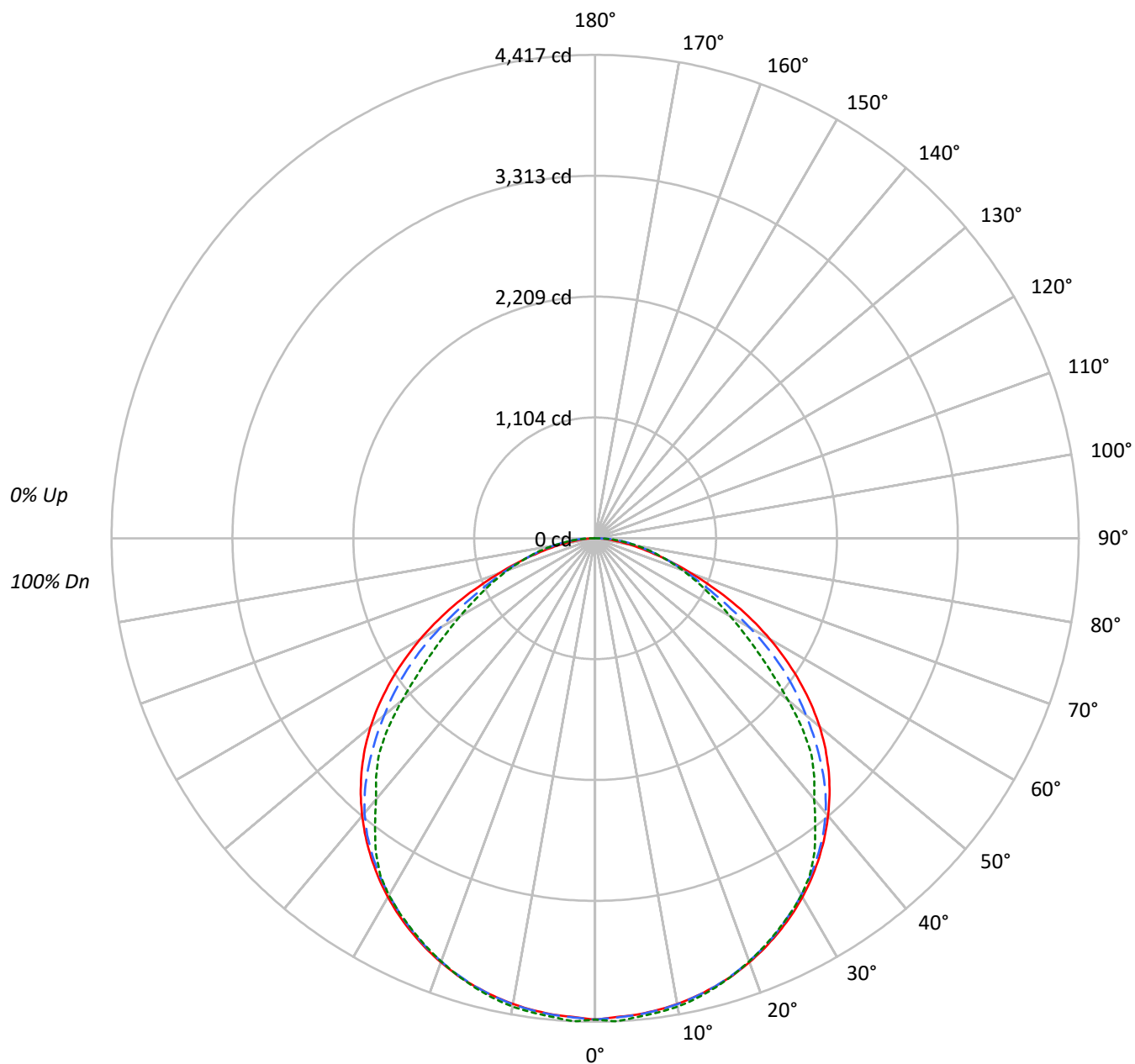
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730279

CATALOG NUMBER: HBLED-LD5-12HE-W-CLI-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P730279

CATALOG NUMBER: HBLED-LD5-12HE-W-CLI-UNV-L850

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°	7100	7100	7100
5°	7081	7086	7117
10°	7085	7088	7125
15°	7086	7085	7101
20°	7084	7068	7069
25°	7073	7047	7038
30°	7061	7019	7023
35°	7028	6985	6886
40°	6978	6907	6559
45°	6890	6669	6377
50°	6724	6314	5776
55°	6418	5905	5107
60°	5956	5269	4606
65°	5294	4562	4235
70°	4394	4077	3992
75°	3553	3731	3777
80°	2822	3569	3554
85°	2210	3833	3657



TEST NUMBER: P730279

CATALOG NUMBER: HBLED-LD5-12HE-W-CLI-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.0	3.5
10°-20°	1199.5	10.2
20°-30°	1829.0	15.5
30°-40°	2212.8	18.7
40°-50°	2241.4	19.0
50°-60°	1852.6	15.7
60°-70°	1223.6	10.4
70°-80°	638.0	5.4
80°-90°	200.0	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°	3445.5	29.2
0°-40°	5658.4	47.9
0°-60°	9752.3	82.5
0°-90°	11814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4397	4397	4397	4397	4397	
5°	4369	4395	4372	4391	4391	416
15°	4239	4260	4238	4252	4248	1197
25°	3970	3986	3955	3965	3951	1831
35°	3566	3571	3544	3539	3494	2230
45°	3017	3010	2921	2830	2793	2323
55°	2280	2246	2098	1894	1814	2032
65°	1386	1346	1194	1116	1109	1369
75°	570	580	598	606	606	620
85°	119	154	207	205	197	145
90°	0	0	0	0	0	



TEST NUMBER: P730279

CATALOG NUMBER: HBLED-LD5-12HE-W-CLI-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4397.2	4397.2	4397.2	4397.2	4397.2
2.5°	4378.8	4404.6	4383.0	4402.0	4417.3
5°	4368.7	4395.1	4371.9	4390.9	4391.4
7.5°	4349.2	4375.6	4351.8	4370.8	4370.3
10°	4321.2	4346.0	4323.3	4346.0	4346.0
12.5°	4283.2	4307.5	4285.3	4306.4	4303.3
15°	4238.9	4260.5	4238.4	4251.6	4248.4
17.5°	4186.6	4206.2	4181.3	4192.4	4186.1
20°	4122.7	4140.7	4113.3	4127.5	4114.3
22.5°	4050.9	4067.8	4039.9	4050.4	4035.6
25°	3970.2	3986.0	3955.4	3965.4	3950.7
27.5°	3883.1	3897.3	3863.0	3875.2	3863.5
30°	3787.5	3794.4	3764.9	3780.7	3767.0
32.5°	3680.9	3685.1	3659.2	3673.5	3650.3
35°	3565.8	3570.6	3543.7	3538.9	3493.5
37.5°	3442.8	3444.9	3419.6	3376.8	3301.9
40°	3310.9	3309.8	3277.1	3178.4	3111.8
42.5°	3169.9	3169.4	3111.8	2999.4	2961.4
45°	3017.3	3009.5	2920.7	2830.0	2793.0
47.5°	2853.7	2845.3	2721.2	2648.9	2565.0
50°	2676.9	2662.1	2513.8	2415.0	2299.5
52.5°	2486.3	2463.6	2312.6	2153.2	2043.9
55°	2279.9	2246.1	2097.8	1894.1	1814.3
57.5°	2065.1	2014.9	1870.8	1672.3	1607.4
60°	1844.4	1788.4	1631.7	1468.6	1426.3
62.5°	1617.4	1562.0	1402.1	1279.1	1255.8
65°	1385.7	1345.5	1194.1	1116.5	1108.6
67.5°	1148.1	1133.9	1018.3	978.7	975.5
70°	930.7	928.0	863.6	843.5	845.7
72.5°	743.8	740.6	731.1	721.1	721.6
75°	569.6	579.6	598.1	606.0	605.5
77.5°	424.9	445.5	484.6	500.4	497.8
80°	303.5	334.2	383.8	398.6	382.2
82.5°	202.2	234.4	293.0	295.1	281.9
85°	119.3	153.6	206.9	205.3	197.4
87.5°	59.1	92.4	124.0	118.7	113.5
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)