

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: P730287

Luminaire Tested: **HBLED-LD5-12HE-W-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730287
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-LD5-12HE-W-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13066.0 lumens
Efficiency: N/A
Efficacy: 179.7 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

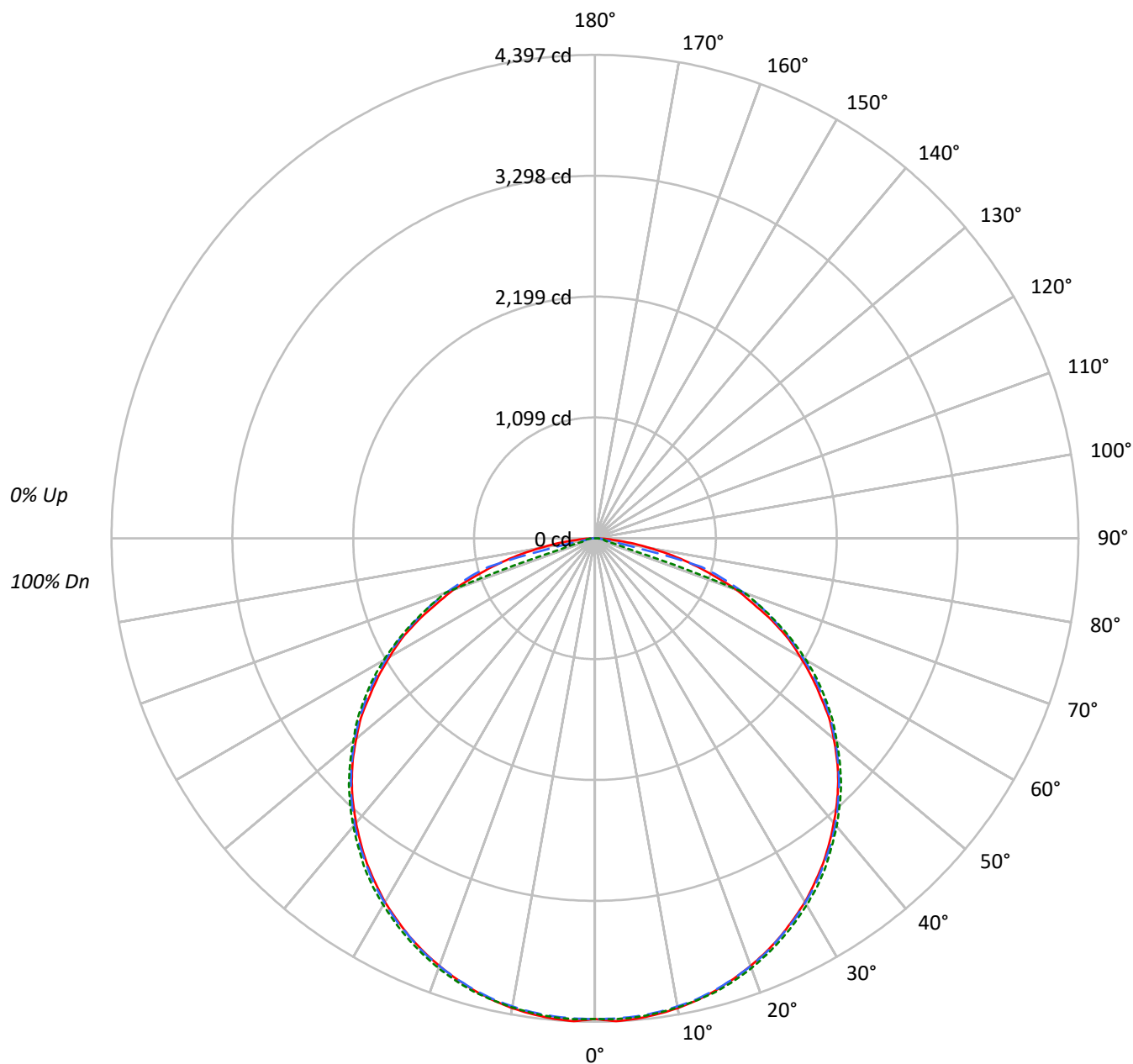
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730287

CATALOG NUMBER: HBLED-LD5-12HE-W-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730287

CATALOG NUMBER: HBLED-LD5-12HE-W-UNV-L740

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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7059	7059	7059
5°	7110	7074	7086
10°	7114	7089	7103
15°	7113	7103	7136
20°	7113	7114	7151
25°	7116	7119	7163
30°	7124	7133	7180
35°	7122	7145	7205
40°	7124	7169	7208
45°	7144	7170	7228
50°	7122	7164	7210
55°	7044	7142	7219
60°	6963	7077	7165
65°	6810	6951	7003
70°	6465	6741	6823
75°	5766	6252	754
80°	4637	779	824
85°	3086	1010	1028



TEST NUMBER: P730287

CATALOG NUMBER: HBLED-LD5-12HE-W-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.3	3.2
10°-20°	1199.9	9.2
20°-30°	1843.6	14.1
30°-40°	2269.5	17.4
40°-50°	2419.6	18.5
50°-60°	2261.8	17.3
60°-70°	1790.5	13.7
70°-80°	761.8	5.8
80°-90°	104.0	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°	3458.8	26.5
0°-40°	5728.3	43.8
0°-60°	10409.7	79.7
0°-90°	13066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4372	4372	4372	4372	4372	
5°	4387	4367	4364	4347	4372	417
15°	4255	4248	4250	4238	4269	1202
25°	3994	3990	3996	3994	4021	1842
35°	3614	3608	3625	3638	3655	2261
45°	3128	3111	3140	3153	3166	2411
55°	2502	2510	2537	2546	2564	2241
65°	1782	1798	1819	1833	1833	1753
75°	924	964	1002	164	121	978
85°	167	50	54	56	56	217
90°	0	0	0	0	0	



TEST NUMBER: P730287

CATALOG NUMBER: HBLED-LD5-12HE-W-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4372.3	4372.3	4372.3	4372.3	4372.3
2.5°	4396.6	4376.2	4372.3	4354.7	4378.1
5°	4386.9	4367.4	4364.5	4346.9	4372.3
7.5°	4366.4	4350.8	4348.9	4330.4	4355.7
10°	4339.1	4324.5	4323.6	4307.0	4332.3
12.5°	4302.1	4289.5	4293.4	4276.8	4302.1
15°	4255.4	4247.6	4249.5	4237.8	4269.0
17.5°	4198.9	4195.0	4198.9	4190.1	4218.4
20°	4139.5	4134.6	4140.4	4135.6	4161.9
22.5°	4070.3	4064.5	4076.2	4069.3	4093.7
25°	3994.3	3989.5	3996.3	3994.3	4020.6
27.5°	3907.7	3902.8	3917.4	3918.4	3938.8
30°	3821.0	3814.2	3825.8	3830.7	3851.2
32.5°	3717.7	3715.8	3733.3	3737.2	3758.6
35°	3613.5	3607.7	3625.2	3637.9	3655.4
37.5°	3499.6	3498.6	3517.1	3527.8	3536.6
40°	3379.8	3374.9	3401.2	3411.9	3419.7
42.5°	3258.0	3247.3	3272.6	3286.3	3295.0
45°	3128.5	3110.9	3140.2	3152.8	3165.5
47.5°	2986.3	2970.7	2998.9	3012.6	3021.3
50°	2835.3	2820.7	2851.9	2863.5	2870.4
52.5°	2683.4	2668.7	2701.9	2711.6	2728.2
55°	2502.2	2510.0	2537.3	2546.0	2564.5
57.5°	2334.7	2341.5	2367.8	2378.5	2399.9
60°	2156.4	2167.1	2191.5	2202.2	2218.8
62.5°	1984.0	1985.0	2014.2	2019.1	2031.8
65°	1782.4	1798.0	1819.4	1833.1	1833.1
67.5°	1557.4	1595.4	1632.4	1629.5	1637.3
70°	1369.4	1384.0	1427.9	1434.7	1445.4
72.5°	1133.7	1171.7	1220.4	911.7	309.7
75°	924.3	964.3	1002.2	163.6	120.8
77.5°	717.8	749.0	333.1	93.5	91.6
80°	498.7	548.4	83.8	85.7	88.6
82.5°	328.2	267.8	69.2	76.0	76.9
85°	166.6	49.7	54.5	56.5	55.5
87.5°	54.5	30.2	31.2	32.1	33.1
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)