

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: P730251

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-A-UNV-L740
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11485.0 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

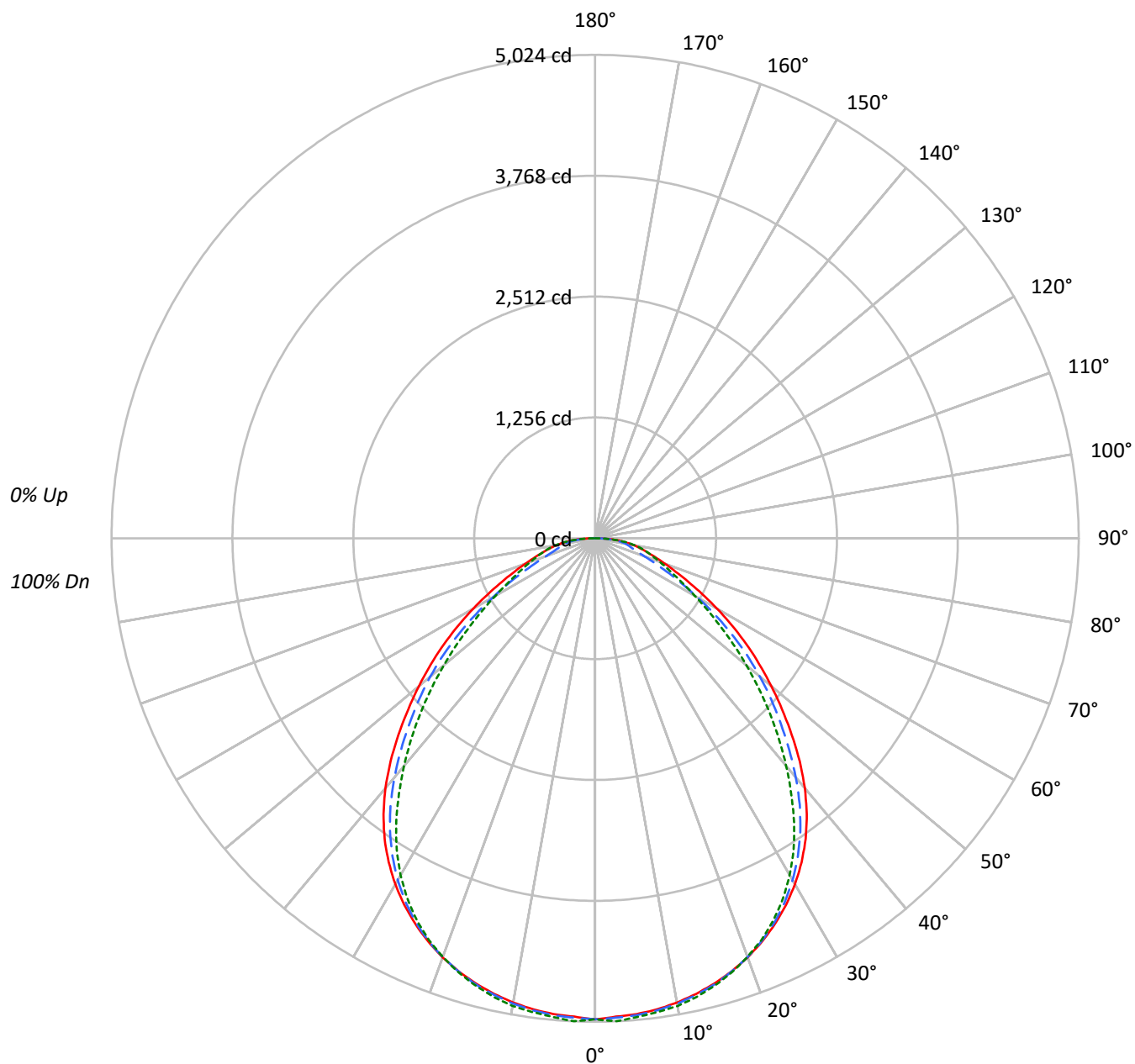
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8072	8072	8072
5°	8044	8062	8095
10°	8032	8051	8091
15°	8006	8022	8040
20°	7964	7958	7952
25°	7877	7850	7806
30°	7741	7648	7536
35°	7516	7327	7102
40°	7142	6836	6508
45°	6598	6230	5853
50°	5998	5610	5148
55°	5393	4857	4450
60°	4719	3969	3862
65°	4069	3121	3485
70°	3628	2547	3359
75°	3475	2487	3510
80°	3759	2941	3911
85°	4220	3542	4261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.8	4.1
10°-20°	1356.1	11.8
20°-30°	2028.6	17.7
30°-40°	2314.4	20.2
40°-50°	2106.8	18.3
50°-60°	1547.0	13.5
60°-70°	913.4	8.0
70°-80°	523.5	4.6
80°-90°	221.3	1.9
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°	3858.5	33.6
0°-40°	6173.0	53.7
0°-60°	9826.7	85.6
0°-90°	11485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5000	5000	5000	5000	5000	
5°	4963	4994	4974	4994	4994	472
15°	4789	4816	4799	4816	4810	1351
25°	4422	4437	4406	4405	4382	2035
35°	3813	3795	3717	3654	3603	2376
45°	2890	2873	2728	2606	2563	2227
55°	1916	1827	1725	1600	1581	1713
65°	1065	930	817	874	912	1072
75°	557	478	399	520	563	601
85°	228	210	191	226	230	238
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4999.6	4999.6	4999.6	4999.6	4999.6
2.5°	4976.5	5005.2	4987.2	5006.9	5023.9
5°	4963.0	4994.0	4974.2	4994.0	4994.5
7.5°	4938.2	4966.9	4947.7	4969.2	4966.9
10°	4899.2	4928.0	4910.5	4933.7	4935.3
12.5°	4849.6	4877.2	4859.2	4885.7	4881.2
15°	4789.3	4815.8	4798.9	4815.8	4810.2
17.5°	4718.2	4742.5	4720.5	4739.1	4729.6
20°	4634.8	4655.1	4631.4	4648.9	4628.1
22.5°	4535.0	4553.0	4528.2	4537.8	4516.4
25°	4421.7	4437.4	4406.4	4404.8	4381.6
27.5°	4295.4	4303.8	4264.3	4250.8	4224.3
30°	4152.2	4154.4	4102.0	4076.6	4042.2
32.5°	3991.4	3985.8	3918.7	3881.0	3838.6
35°	3813.3	3794.7	3717.4	3653.7	3603.0
37.5°	3612.0	3582.7	3490.2	3396.1	3347.5
40°	3388.7	3354.3	3243.2	3126.5	3087.6
42.5°	3145.7	3116.4	2985.6	2863.8	2825.4
45°	2889.7	2872.8	2728.4	2606.1	2563.2
47.5°	2633.7	2621.3	2480.4	2355.7	2303.9
50°	2387.9	2360.8	2233.4	2096.9	2049.6
52.5°	2149.4	2094.1	1981.9	1842.1	1807.1
55°	1915.9	1827.4	1725.4	1600.2	1581.0
57.5°	1684.8	1570.3	1471.1	1377.5	1376.9
60°	1461.5	1330.7	1229.2	1180.1	1195.9
62.5°	1252.3	1118.1	1008.2	1011.5	1040.3
65°	1065.1	929.8	817.0	874.0	912.3
67.5°	904.4	775.3	660.8	766.8	803.5
70°	768.5	651.8	539.6	672.1	711.6
72.5°	654.1	555.9	455.0	593.2	633.2
75°	557.1	477.6	398.6	519.9	562.7
77.5°	478.2	407.7	357.5	449.9	494.5
80°	404.3	342.3	316.3	382.3	420.6
82.5°	320.2	277.4	262.2	310.7	330.4
85°	227.8	210.3	191.2	225.5	230.0
87.5°	125.2	129.7	107.1	129.7	130.2
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)