

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: P730286

Luminaire Tested: **HBLED-LD5-12HE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730286
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-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12682.0 lumens
Efficiency: N/A
Efficacy: 174.4 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

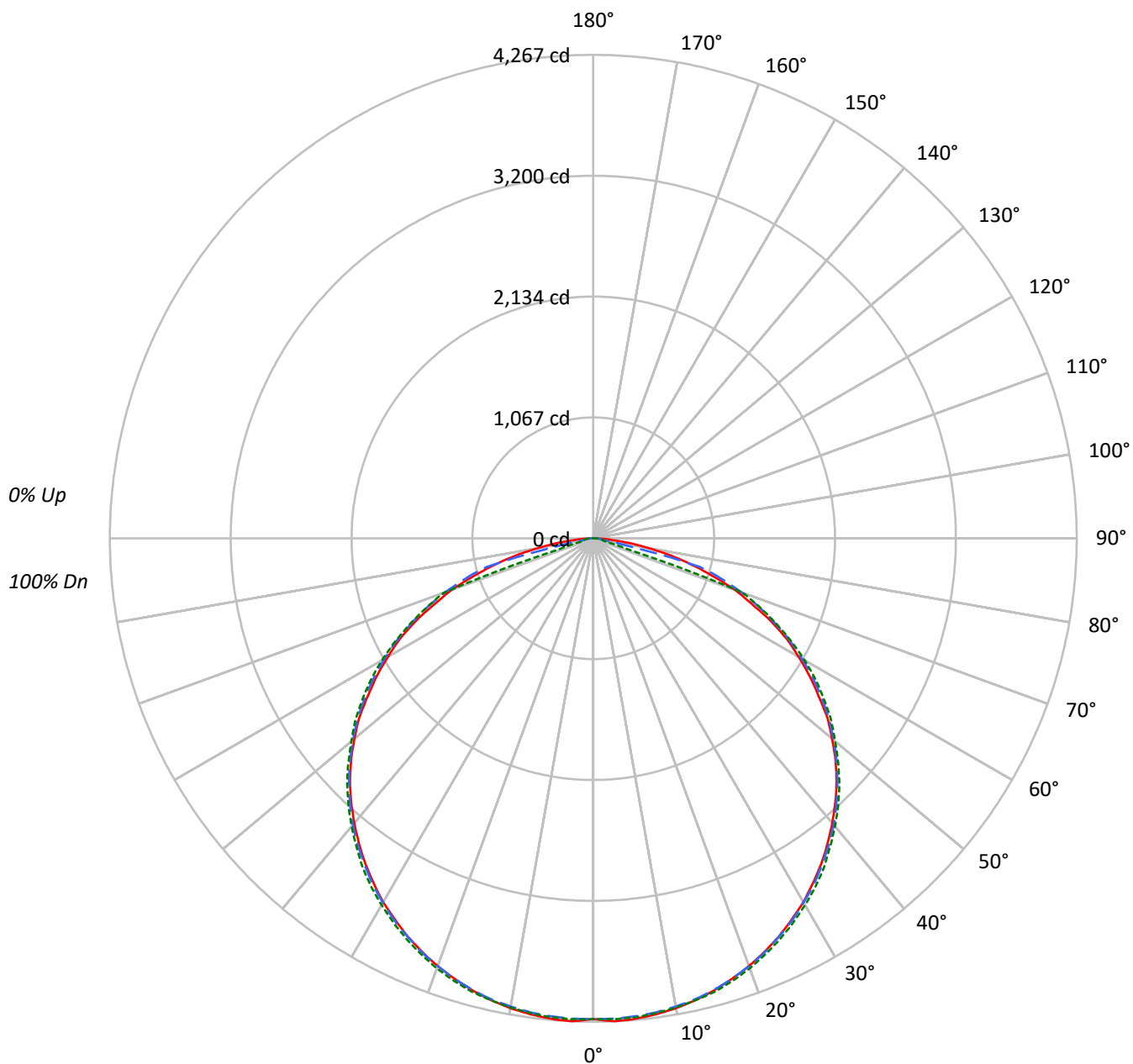
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6852	6852	6852
5°	6901	6866	6878
10°	6905	6880	6894
15°	6904	6894	6926
20°	6903	6905	6941
25°	6907	6910	6952
30°	6914	6923	6969
35°	6913	6936	6993
40°	6914	6958	6996
45°	6933	6959	7015
50°	6913	6953	6998
55°	6837	6932	7007
60°	6759	6869	6954
65°	6609	6747	6797
70°	6275	6542	6623
75°	5597	6069	731
80°	4500	756	800
85°	2996	980	999



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.1	3.2
10°-20°	1164.7	9.2
20°-30°	1789.4	14.1
30°-40°	2202.8	17.4
40°-50°	2348.5	18.5
50°-60°	2195.3	17.3
60°-70°	1737.9	13.7
70°-80°	739.4	5.8
80°-90°	101.0	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°	3357.1	26.5
0°-40°	5560.0	43.8
0°-60°	10103.8	79.7
0°-90°	12682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4244	4244	4244	4244	4244	
5°	4258	4239	4236	4219	4244	405
15°	4130	4123	4125	4113	4144	1166
25°	3877	3872	3879	3877	3902	1787
35°	3507	3502	3519	3531	3548	2195
45°	3036	3020	3048	3060	3072	2340
55°	2429	2436	2463	2471	2489	2175
65°	1730	1745	1766	1779	1779	1702
75°	897	936	973	159	117	949
85°	162	48	53	55	54	211
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4243.8	4243.8	4243.8	4243.8	4243.8
2.5°	4267.4	4247.5	4243.8	4226.7	4249.4
5°	4257.9	4239.0	4236.2	4219.2	4243.8
7.5°	4238.1	4223.0	4221.1	4203.1	4227.7
10°	4211.6	4197.4	4196.5	4180.4	4205.0
12.5°	4175.7	4163.4	4167.2	4151.1	4175.7
15°	4130.3	4122.8	4124.6	4113.3	4143.6
17.5°	4075.5	4071.7	4075.5	4067.0	4094.4
20°	4017.8	4013.1	4018.8	4014.0	4039.6
22.5°	3950.7	3945.0	3956.4	3949.8	3973.4
25°	3877.0	3872.2	3878.8	3877.0	3902.5
27.5°	3792.8	3788.1	3802.3	3803.2	3823.1
30°	3708.7	3702.1	3713.4	3718.1	3738.0
32.5°	3608.5	3606.6	3623.6	3627.4	3648.2
35°	3507.3	3501.6	3518.7	3531.0	3548.0
37.5°	3396.7	3395.8	3413.7	3424.1	3432.6
40°	3280.4	3275.7	3301.2	3311.6	3319.2
42.5°	3162.3	3151.9	3176.4	3189.7	3198.2
45°	3036.5	3019.5	3047.9	3060.2	3072.4
47.5°	2898.5	2883.4	2910.8	2924.0	2932.5
50°	2752.0	2737.8	2768.0	2779.4	2786.0
52.5°	2604.5	2590.3	2622.5	2631.9	2648.0
55°	2428.7	2436.2	2462.7	2471.2	2489.2
57.5°	2266.0	2272.7	2298.2	2308.6	2329.4
60°	2093.0	2103.4	2127.1	2137.5	2153.5
62.5°	1925.7	1926.7	1955.0	1959.7	1972.0
65°	1730.0	1745.2	1765.9	1779.2	1779.2
67.5°	1511.6	1548.5	1584.4	1581.6	1589.2
70°	1329.2	1343.4	1385.9	1392.5	1402.9
72.5°	1100.4	1137.3	1184.5	884.9	300.6
75°	897.2	935.9	972.8	158.8	117.2
77.5°	696.7	727.0	323.3	90.8	88.9
80°	484.0	532.2	81.3	83.2	86.0
82.5°	318.6	260.0	67.1	73.7	74.7
85°	161.7	48.2	52.9	54.8	53.9
87.5°	52.9	29.3	30.3	31.2	32.1
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)