

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: P730289

Luminaire Tested: **HBLED-LD5-12HE-W-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730289
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-L835
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12123.0 lumens
Efficiency: N/A
Efficacy: 166.8 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

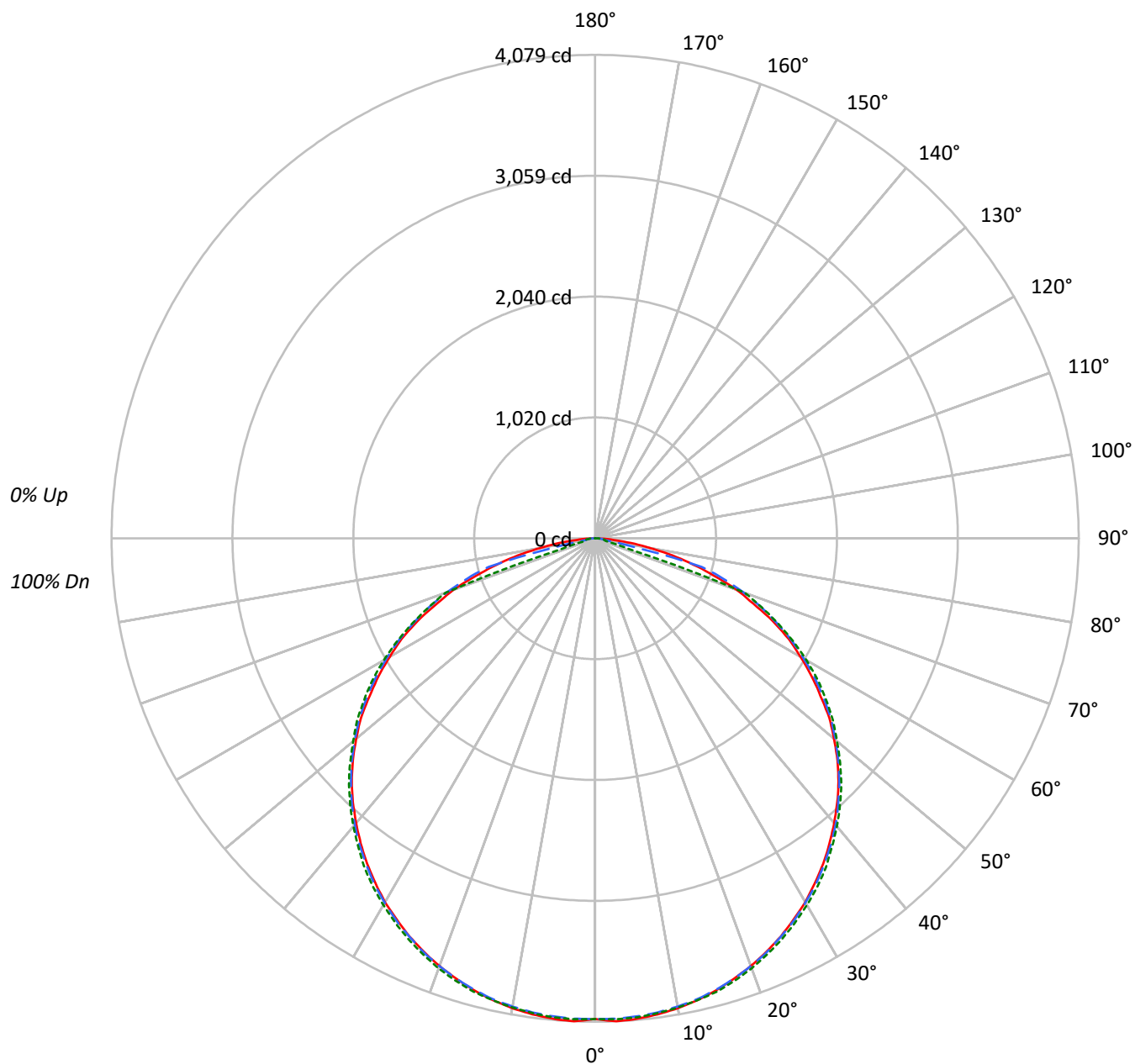
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6550	6550	6550
5°	6597	6563	6575
10°	6601	6577	6590
15°	6600	6591	6621
20°	6599	6601	6635
25°	6602	6606	6646
30°	6610	6618	6662
35°	6608	6630	6685
40°	6609	6651	6688
45°	6628	6653	6706
50°	6608	6646	6690
55°	6535	6627	6698
60°	6461	6566	6648
65°	6318	6449	6498
70°	5998	6254	6331
75°	5350	5801	699
80°	4302	722	764
85°	2862	937	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.3	3.2
10°-20°	1113.3	9.2
20°-30°	1710.5	14.1
30°-40°	2105.7	17.4
40°-50°	2244.9	18.5
50°-60°	2098.6	17.3
60°-70°	1661.3	13.7
70°-80°	706.8	5.8
80°-90°	96.5	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°	3209.2	26.5
0°-40°	5314.9	43.8
0°-60°	9658.4	79.7
0°-90°	12123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4057	4057	4057	4057	4057	
5°	4070	4052	4050	4033	4057	387
15°	3948	3941	3943	3932	3961	1115
25°	3706	3702	3708	3706	3730	1709
35°	3353	3347	3364	3375	3392	2098
45°	2903	2886	2914	2925	2937	2237
55°	2322	2329	2354	2362	2379	2079
65°	1654	1668	1688	1701	1701	1627
75°	858	895	930	152	112	907
85°	154	46	51	52	52	201
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4056.7	4056.7	4056.7	4056.7	4056.7
2.5°	4079.3	4060.3	4056.7	4040.4	4062.1
5°	4070.3	4052.2	4049.5	4033.2	4056.7
7.5°	4051.3	4036.8	4035.0	4017.8	4041.3
10°	4026.0	4012.4	4011.5	3996.2	4019.7
12.5°	3991.6	3979.9	3983.5	3968.1	3991.6
15°	3948.3	3941.0	3942.8	3932.0	3960.9
17.5°	3895.8	3892.2	3895.8	3887.7	3913.9
20°	3840.7	3836.2	3841.6	3837.1	3861.5
22.5°	3776.6	3771.1	3782.0	3775.7	3798.2
25°	3706.1	3701.5	3707.9	3706.1	3730.5
27.5°	3625.6	3621.1	3634.7	3635.6	3654.6
30°	3545.2	3538.9	3549.7	3554.2	3573.2
32.5°	3449.4	3447.6	3463.9	3467.5	3487.4
35°	3352.7	3347.3	3363.6	3375.3	3391.6
37.5°	3247.0	3246.1	3263.3	3273.2	3281.3
40°	3135.8	3131.3	3155.7	3165.7	3172.9
42.5°	3022.9	3012.9	3036.4	3049.1	3057.2
45°	2902.7	2886.4	2913.5	2925.3	2937.0
47.5°	2770.7	2756.3	2782.5	2795.1	2803.3
50°	2630.7	2617.1	2646.0	2656.9	2663.2
52.5°	2489.7	2476.1	2506.9	2515.9	2531.3
55°	2321.6	2328.8	2354.1	2362.3	2379.4
57.5°	2166.2	2172.5	2196.9	2206.8	2226.7
60°	2000.8	2010.7	2033.3	2043.3	2058.6
62.5°	1840.8	1841.7	1868.8	1873.4	1885.1
65°	1653.8	1668.2	1688.1	1700.8	1700.8
67.5°	1445.0	1480.3	1514.6	1511.9	1519.1
70°	1270.6	1284.2	1324.8	1331.1	1341.1
72.5°	1051.9	1087.1	1132.3	845.9	287.4
75°	857.6	894.7	929.9	151.8	112.1
77.5°	666.0	694.9	309.1	86.8	84.9
80°	462.7	508.8	77.7	79.5	82.2
82.5°	304.5	248.5	64.2	70.5	71.4
85°	154.5	46.1	50.6	52.4	51.5
87.5°	50.6	28.0	28.9	29.8	30.7
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)