

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: P730272

Luminaire Tested: **HBLED-LD5-12HE-W-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CL-WG-UNV-L840
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11063.0 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

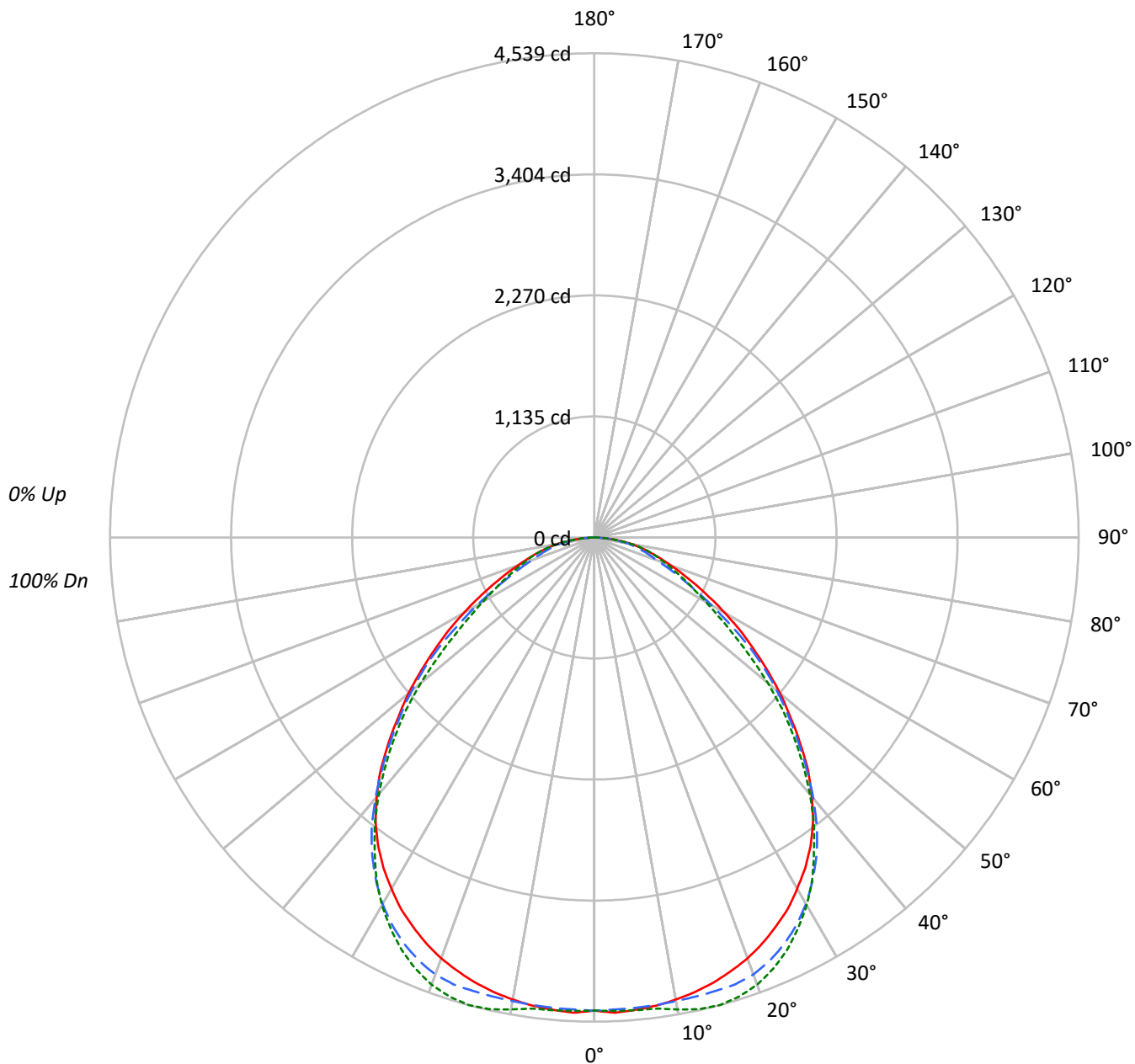
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7162	7162	7162
5°	7204	7175	7210
10°	7211	7235	7365
15°	7220	7356	7587
20°	7215	7490	7665
25°	7171	7497	7607
30°	7089	7398	7421
35°	6962	7158	7072
40°	6687	6728	6622
45°	6231	6166	6040
50°	5705	5613	5325
55°	5124	4934	4503
60°	4545	4083	3887
65°	4004	3392	3527
70°	3581	2944	3360
75°	3355	2862	3397
80°	3265	2894	3234
85°	2607	2290	2373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.6	3.8
10°-20°	1244.7	11.3
20°-30°	1914.8	17.3
30°-40°	2234.7	20.2
40°-50°	2076.6	18.8
50°-60°	1539.3	13.9
60°-70°	941.0	8.5
70°-80°	536.0	4.8
80°-90°	153.3	1.4
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°	3582.1	32.4
0°-40°	5816.8	52.6
0°-60°	9432.7	85.3
0°-90°	11063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4436	4436	4436	4436	4436	
5°	4445	4424	4427	4423	4448	423
15°	4319	4317	4400	4487	4539	1219
25°	4025	4056	4208	4244	4270	1854
35°	3532	3560	3632	3602	3588	2201
45°	2729	2745	2700	2658	2645	2103
55°	1820	1775	1753	1628	1600	1634
65°	1048	952	888	912	923	1049
75°	538	505	459	523	545	575
85°	141	137	124	128	128	162
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4436.0	4436.0	4436.0	4436.0	4436.0
2.5°	4460.0	4434.8	4430.2	4419.9	4442.8
5°	4445.1	4424.5	4426.8	4423.4	4448.5
7.5°	4427.9	4413.1	4422.2	4421.1	4454.3
10°	4398.2	4390.2	4413.1	4438.2	4492.0
12.5°	4365.0	4357.0	4407.4	4471.4	4529.8
15°	4319.3	4316.9	4400.5	4487.4	4538.9
17.5°	4262.0	4265.5	4392.4	4466.8	4512.6
20°	4199.1	4204.8	4359.3	4419.9	4461.1
22.5°	4117.9	4137.3	4295.2	4345.5	4377.6
25°	4025.2	4056.1	4208.3	4243.7	4270.0
27.5°	3925.7	3956.5	4100.7	4119.0	4133.9
30°	3802.1	3845.5	3968.0	3970.3	3980.5
32.5°	3676.2	3715.1	3808.9	3798.6	3800.9
35°	3532.0	3559.5	3631.6	3601.9	3588.1
37.5°	3366.2	3381.0	3426.8	3382.2	3379.9
40°	3172.8	3192.2	3192.2	3130.5	3141.9
42.5°	2966.8	2973.7	2945.1	2886.7	2895.9
45°	2728.8	2744.8	2700.2	2657.9	2645.3
47.5°	2493.1	2509.2	2462.2	2413.1	2391.3
50°	2271.2	2263.1	2234.6	2151.0	2120.1
52.5°	2041.2	2016.0	2004.6	1882.2	1846.7
55°	1820.4	1774.6	1752.9	1628.1	1599.5
57.5°	1615.5	1533.2	1492.0	1394.8	1383.3
60°	1407.4	1314.6	1264.3	1201.4	1203.7
62.5°	1218.6	1121.3	1060.7	1042.4	1050.3
65°	1048.1	951.9	887.9	911.9	923.3
67.5°	893.6	814.6	742.6	798.6	810.0
70°	758.6	695.7	623.6	706.0	711.7
72.5°	646.4	595.0	534.3	612.1	624.7
75°	537.8	504.6	458.8	522.9	544.6
77.5°	442.8	416.5	390.2	429.1	453.1
80°	351.2	325.0	311.2	331.8	347.8
82.5°	248.3	231.1	217.4	232.3	240.3
85°	140.7	137.3	123.6	128.1	128.1
87.5°	32.0	36.6	41.2	37.8	32.0
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)