

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: P730269

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730269
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-L740
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: 11589.0 lumens
Efficiency: N/A
Efficacy: 159.4 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

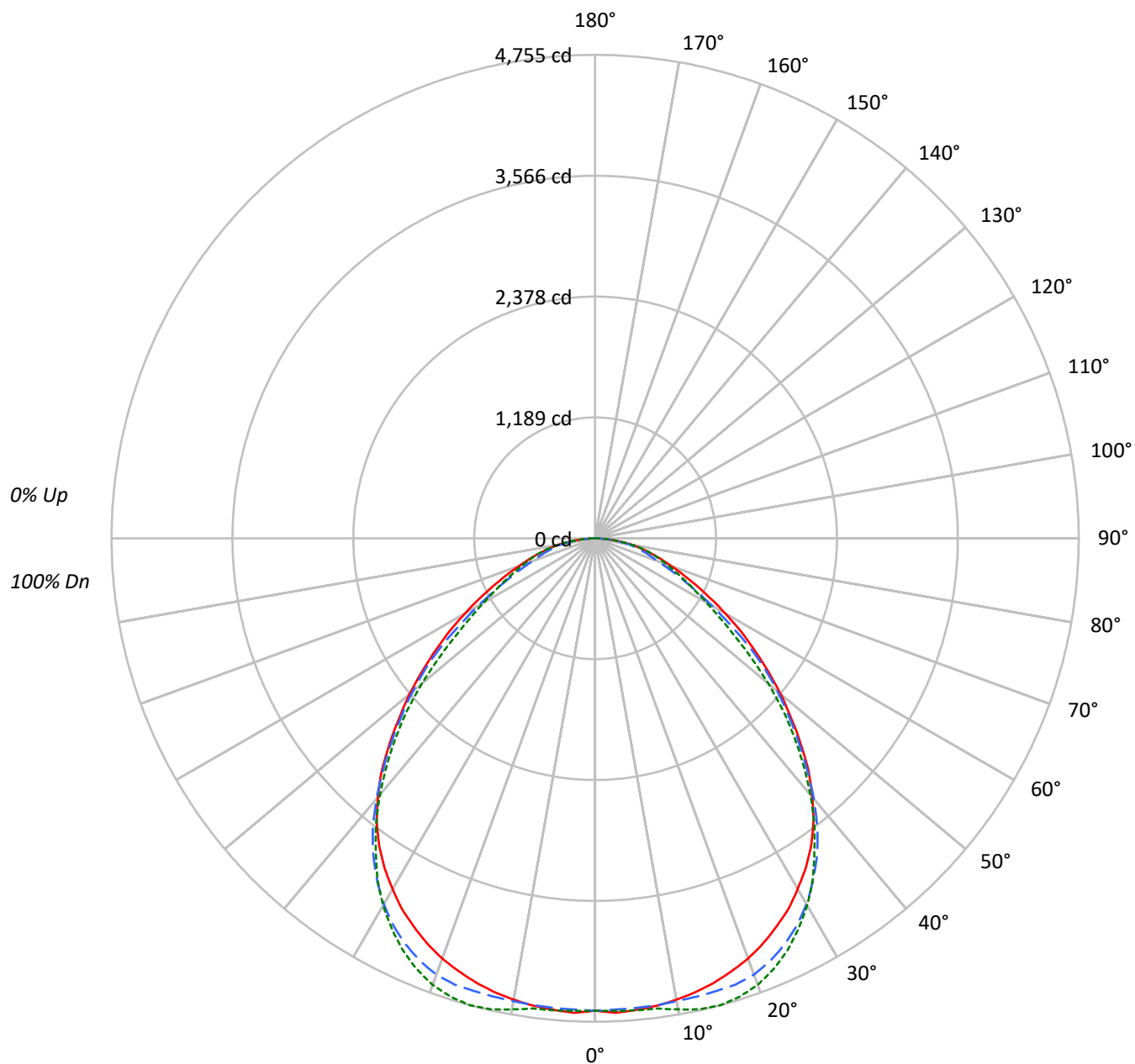
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7503	7503	7503
5°	7547	7516	7553
10°	7554	7579	7715
15°	7563	7705	7948
20°	7558	7846	8030
25°	7512	7853	7969
30°	7425	7749	7774
35°	7293	7498	7409
40°	7005	7048	6937
45°	6527	6459	6327
50°	5976	5880	5579
55°	5368	5169	4717
60°	4761	4277	4072
65°	4194	3553	3695
70°	3752	3084	3519
75°	3514	2998	3559
80°	3421	3031	3387
85°	2731	2399	2486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	3.8
10°-20°	1303.9	11.3
20°-30°	2005.9	17.3
30°-40°	2341.0	20.2
40°-50°	2175.4	18.8
50°-60°	1612.5	13.9
60°-70°	985.7	8.5
70°-80°	561.5	4.8
80°-90°	160.6	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°	3752.4	32.4
0°-40°	6093.4	52.6
0°-60°	9881.2	85.3
0°-90°	11589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4647	4647	4647	4647	4647	
5°	4656	4635	4637	4634	4660	443
15°	4525	4522	4610	4701	4755	1277
25°	4217	4249	4408	4446	4473	1942
35°	3700	3729	3804	3773	3759	2305
45°	2859	2875	2829	2784	2771	2203
55°	1907	1859	1836	1706	1676	1711
65°	1098	997	930	955	967	1099
75°	563	529	481	548	570	603
85°	147	144	130	134	134	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4646.9	4646.9	4646.9	4646.9	4646.9
2.5°	4672.0	4645.7	4640.8	4630.1	4654.0
5°	4656.5	4634.9	4637.2	4633.7	4660.1
7.5°	4638.5	4622.9	4632.5	4631.3	4666.0
10°	4607.3	4598.9	4622.9	4649.3	4705.6
12.5°	4572.5	4564.2	4616.9	4684.0	4745.1
15°	4524.6	4522.2	4609.7	4700.8	4754.7
17.5°	4464.7	4468.3	4601.3	4679.2	4727.1
20°	4398.8	4404.7	4566.6	4630.1	4673.2
22.5°	4313.7	4334.1	4499.4	4552.1	4585.7
25°	4216.6	4248.9	4408.3	4445.5	4473.0
27.5°	4112.3	4144.7	4295.7	4314.8	4330.5
30°	3982.8	4028.4	4156.6	4159.1	4169.8
32.5°	3851.0	3891.8	3990.0	3979.2	3981.6
35°	3700.0	3728.7	3804.2	3773.1	3758.7
37.5°	3526.2	3541.8	3589.7	3543.0	3540.6
40°	3323.6	3344.0	3344.0	3279.3	3291.3
42.5°	3107.9	3115.1	3085.1	3024.0	3033.6
45°	2858.6	2875.4	2828.6	2784.3	2771.1
47.5°	2611.7	2628.5	2579.3	2527.8	2505.0
50°	2379.2	2370.7	2340.8	2253.3	2221.0
52.5°	2138.2	2111.9	2099.9	1971.7	1934.5
55°	1906.9	1859.0	1836.2	1705.5	1675.6
57.5°	1692.4	1606.1	1563.0	1461.1	1449.1
60°	1474.3	1377.2	1324.4	1258.5	1260.9
62.5°	1276.5	1174.6	1111.1	1091.9	1100.3
65°	1097.9	997.2	930.1	955.3	967.2
67.5°	936.1	853.4	777.9	836.6	848.6
70°	794.7	728.7	653.2	739.5	745.5
72.5°	677.2	623.3	559.7	641.2	654.4
75°	563.3	528.6	480.6	547.8	570.5
77.5°	463.8	436.3	408.7	449.5	474.6
80°	367.9	340.4	326.0	347.6	364.3
82.5°	260.1	242.1	227.7	243.3	251.7
85°	147.4	143.8	129.5	134.2	134.2
87.5°	33.6	38.3	43.2	39.6	33.6
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)