

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: P730395

Luminaire Tested: **HBLED-LD5-15HE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730395
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-LD5-15HE-W-A-UNV-L740
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14678.0 lumens
Efficiency: N/A
Efficacy: 160.9 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

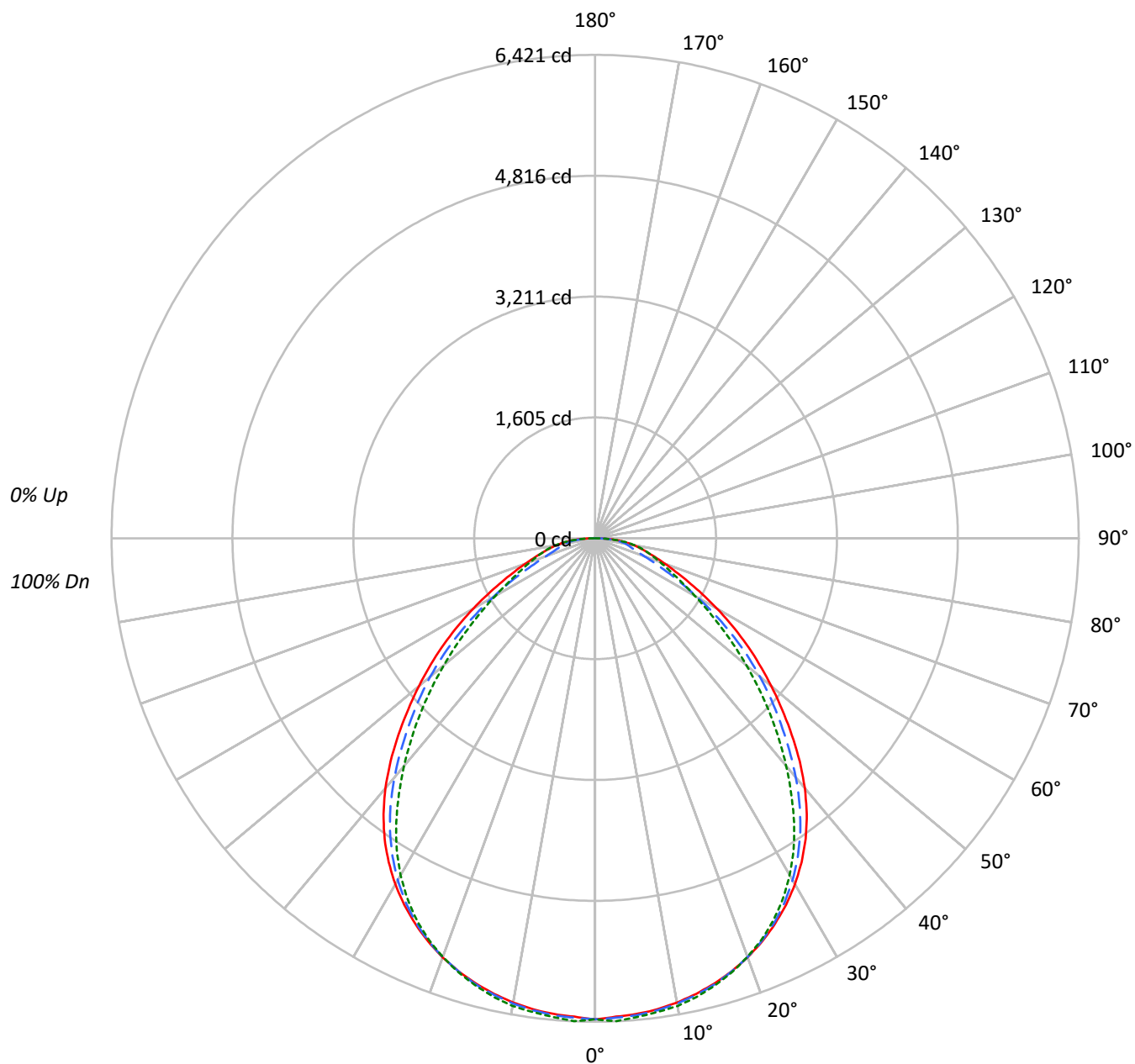
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10316	10316	10316
5°	10280	10303	10345
10°	10265	10289	10341
15°	10231	10252	10276
20°	10177	10170	10163
25°	10067	10033	9976
30°	9893	9774	9631
35°	9606	9364	9076
40°	9128	8736	8317
45°	8433	7962	7480
50°	7666	7170	6580
55°	6893	6207	5688
60°	6031	5073	4935
65°	5200	3989	4454
70°	4637	3255	4293
75°	4442	3178	4486
80°	4804	3759	4998
85°	5395	4526	5446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.6	4.1
10°-20°	1733.1	11.8
20°-30°	2592.6	17.7
30°-40°	2957.9	20.2
40°-50°	2692.5	18.3
50°-60°	1977.1	13.5
60°-70°	1167.4	8.0
70°-80°	669.0	4.6
80°-90°	282.9	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°	4931.2	33.6
0°-40°	7889.1	53.7
0°-60°	12558.7	85.6
0°-90°	14678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6390	6390	6390	6390	6390	
5°	6343	6382	6357	6382	6383	603
15°	6121	6155	6133	6155	6148	1727
25°	5651	5671	5632	5629	5600	2601
35°	4873	4850	4751	4670	4605	3036
45°	3693	3672	3487	3331	3276	2846
55°	2449	2336	2205	2045	2021	2190
65°	1361	1188	1044	1117	1166	1370
75°	712	610	510	664	719	767
85°	291	269	244	288	294	305
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6389.5	6389.5	6389.5	6389.5	6389.5
2.5°	6360.0	6396.8	6373.7	6398.9	6420.6
5°	6342.8	6382.4	6357.2	6382.4	6383.1
7.5°	6311.1	6347.8	6323.3	6350.7	6347.8
10°	6261.3	6298.1	6275.7	6305.3	6307.4
12.5°	6197.9	6233.2	6210.2	6244.0	6238.3
15°	6120.8	6154.6	6133.0	6154.6	6147.5
17.5°	6030.0	6061.0	6032.9	6056.7	6044.4
20°	5923.3	5949.3	5919.0	5941.3	5914.7
22.5°	5795.8	5818.9	5787.1	5799.4	5772.0
25°	5651.0	5671.1	5631.5	5629.3	5599.8
27.5°	5489.5	5500.4	5449.9	5432.6	5398.7
30°	5306.5	5309.4	5242.4	5210.0	5166.0
32.5°	5101.1	5094.0	5008.2	4959.9	4905.8
35°	4873.4	4849.7	4750.9	4669.5	4604.7
37.5°	4616.2	4578.7	4460.5	4340.2	4278.2
40°	4330.8	4286.9	4144.9	3995.7	3946.0
42.5°	4020.3	3982.8	3815.6	3659.9	3610.9
45°	3693.1	3671.5	3487.0	3330.6	3275.8
47.5°	3365.9	3350.1	3170.0	3010.7	2944.4
50°	3051.8	3017.1	2854.3	2679.9	2619.4
52.5°	2746.9	2676.3	2532.9	2354.2	2309.6
55°	2448.6	2335.5	2205.1	2045.1	2020.6
57.5°	2153.1	2006.9	1880.1	1760.4	1759.7
60°	1867.8	1700.6	1570.9	1508.2	1528.4
62.5°	1600.4	1428.9	1288.4	1292.7	1329.5
65°	1361.2	1188.3	1044.1	1116.9	1165.9
67.5°	1155.9	990.8	844.5	980.0	1026.8
70°	982.2	833.0	689.6	858.9	909.4
72.5°	835.9	710.5	581.5	758.1	809.2
75°	712.0	610.3	509.5	664.4	719.1
77.5°	611.1	521.0	456.9	575.0	631.9
80°	516.7	437.4	404.3	488.6	537.5
82.5°	409.3	354.6	335.1	397.0	422.3
85°	291.2	268.8	244.3	288.2	294.0
87.5°	160.0	165.7	136.9	165.7	166.4
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)