

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: P730402

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-AI-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15083.0 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

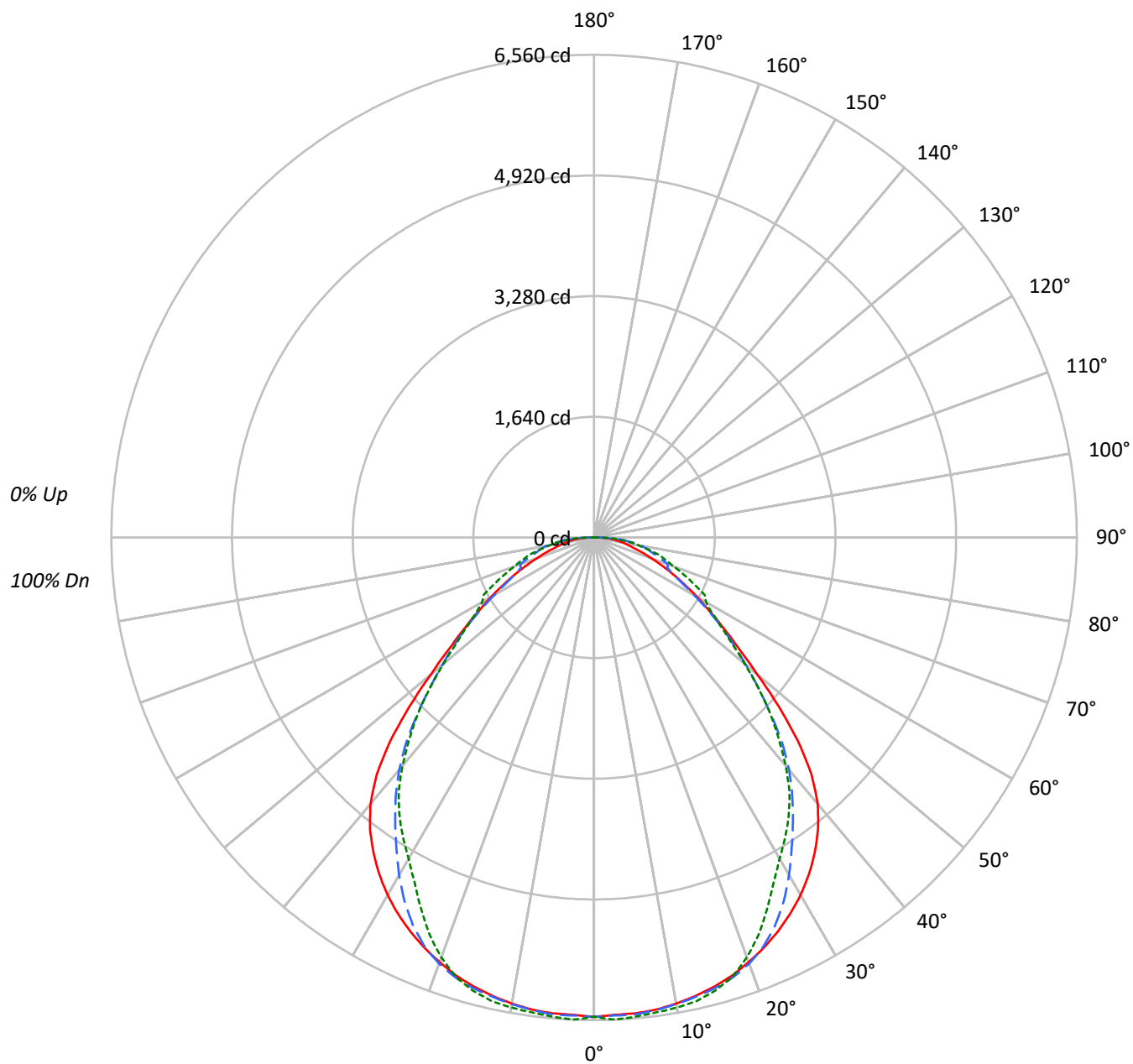
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10521	10521	10521
5°	10521	10543	10595
10°	10547	10560	10638
15°	10563	10602	10654
20°	10552	10592	10434
25°	10526	10368	9917
30°	10464	9879	9397
35°	10306	9285	9091
40°	9961	8681	8538
45°	8954	7752	7724
50°	7262	6752	6706
55°	6030	5918	5916
60°	5221	5068	5666
65°	4525	4496	5712
70°	3901	5044	5444
75°	3498	5170	5676
80°	3636	6086	5694
85°	4127	7014	6506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.4	4.1
10°-20°	1791.9	11.9
20°-30°	2661.3	17.6
30°-40°	3021.3	20.0
40°-50°	2700.9	17.9
50°-60°	1867.4	12.4
60°-70°	1232.2	8.2
70°-80°	831.3	5.5
80°-90°	356.1	2.4
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°	5073.6	33.6
0°-40°	8095.0	53.7
0°-60°	12663.4	84.0
0°-90°	15083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6516	6516	6516	6516	6516	
5°	6491	6531	6505	6532	6537	618
15°	6319	6350	6343	6378	6374	1784
25°	5908	5964	5820	5646	5567	2722
35°	5229	5119	4711	4642	4612	3261
45°	3921	3589	3395	3421	3382	2982
55°	2142	1955	2102	2073	2102	1946
65°	1184	1052	1177	1376	1495	1182
75°	561	706	829	886	910	612
85°	223	310	379	381	351	232
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6516.3	6516.3	6516.3	6516.3	6516.3
2.5°	6494.2	6534.8	6504.5	6532.6	6559.8
5°	6491.2	6531.1	6505.2	6531.8	6537.0
7.5°	6472.8	6509.6	6479.4	6505.2	6511.1
10°	6432.9	6476.5	6441.0	6480.9	6488.3
12.5°	6381.3	6425.6	6394.5	6449.1	6452.1
15°	6319.3	6349.6	6342.9	6378.3	6373.9
17.5°	6241.1	6275.8	6270.6	6279.4	6258.8
20°	6141.5	6180.6	6164.3	6123.7	6072.8
22.5°	6034.5	6081.7	6017.5	5915.0	5843.3
25°	5908.3	5964.4	5819.8	5646.4	5566.6
27.5°	5768.8	5819.0	5578.5	5366.0	5283.3
30°	5612.4	5633.8	5298.8	5096.6	5040.5
32.5°	5431.6	5400.6	4999.9	4866.4	4833.9
35°	5228.7	5118.7	4710.7	4642.1	4612.5
37.5°	4999.9	4798.5	4425.2	4393.4	4362.4
40°	4726.2	4428.8	4118.9	4098.3	4051.0
42.5°	4372.8	4026.7	3778.7	3754.4	3712.3
45°	3921.2	3589.1	3395.0	3420.9	3382.5
47.5°	3401.6	3150.1	3026.8	3097.7	3026.8
50°	2891.0	2722.1	2688.1	2752.4	2669.7
52.5°	2472.7	2320.7	2390.8	2401.8	2352.4
55°	2142.1	1955.4	2102.3	2072.7	2101.5
57.5°	1854.3	1645.5	1826.3	1792.3	1891.2
60°	1616.7	1382.1	1569.5	1562.1	1754.7
62.5°	1383.6	1196.1	1346.6	1455.1	1692.0
65°	1184.3	1051.5	1176.9	1376.2	1495.0
67.5°	993.2	943.0	1076.6	1187.2	1317.2
70°	826.4	852.2	1068.4	1047.8	1153.3
72.5°	686.2	774.1	943.0	946.7	1021.2
75°	560.8	705.5	828.7	885.5	909.8
77.5°	466.3	639.8	748.2	768.2	744.5
80°	391.1	563.7	654.5	645.7	612.4
82.5°	315.8	427.3	515.8	523.9	484.8
85°	222.8	309.9	378.6	380.8	351.2
87.5°	119.5	191.1	229.5	236.1	218.4
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)