

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: P730400

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730400
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-L735
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: 14295.0 lumens
Efficiency: N/A
Efficacy: 156.7 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

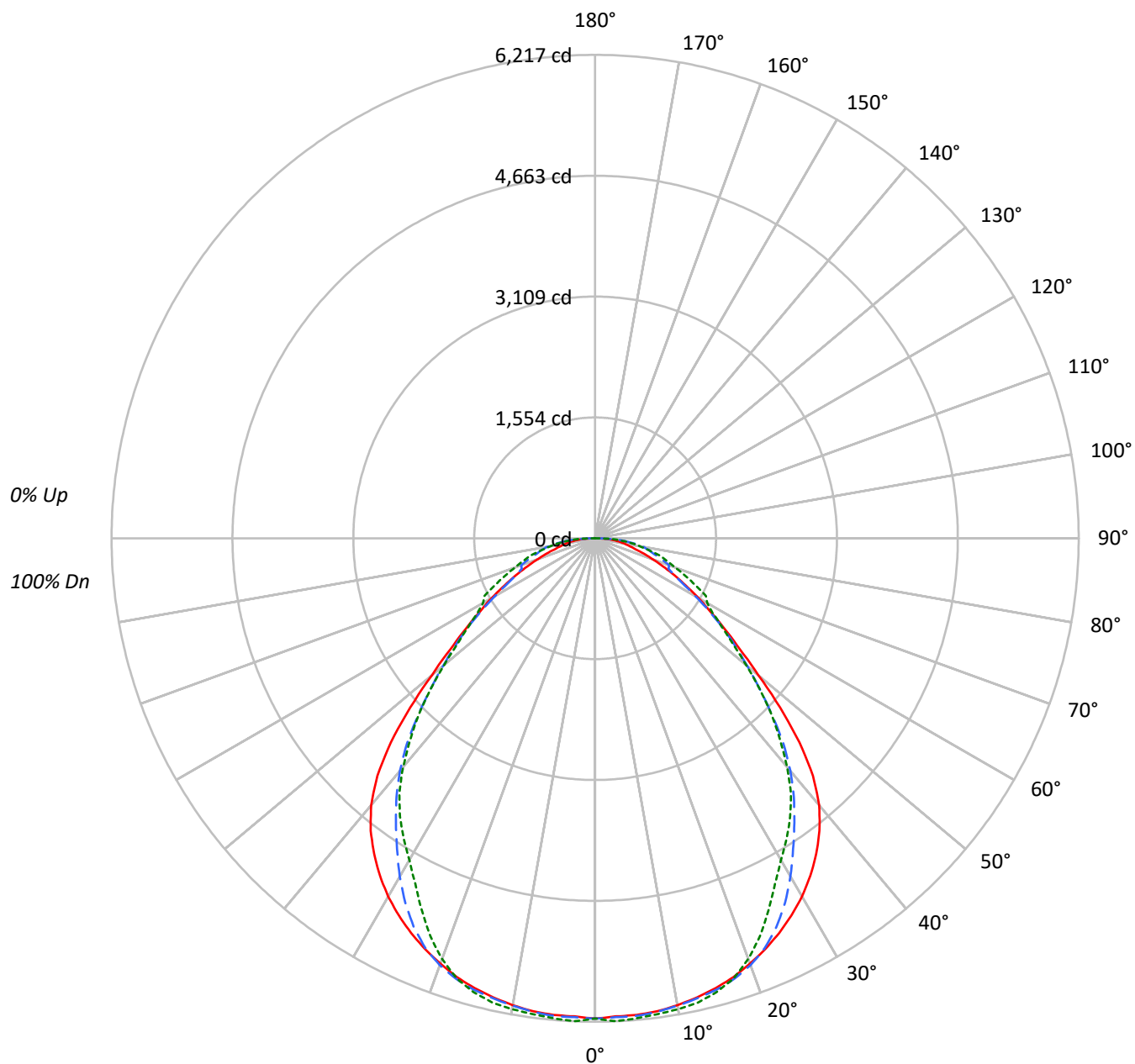
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9972	9972	9972
5°	9971	9993	10041
10°	9996	10008	10082
15°	10011	10048	10098
20°	10001	10038	9889
25°	9976	9826	9399
30°	9917	9363	8906
35°	9768	8800	8617
40°	9441	8228	8092
45°	8486	7347	7320
50°	6882	6399	6355
55°	5715	5609	5607
60°	4948	4803	5370
65°	4288	4261	5413
70°	3697	4780	5160
75°	3316	4900	5379
80°	3447	5768	5397
85°	3913	6647	6167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.0	4.1
10°-20°	1698.3	11.9
20°-30°	2522.3	17.6
30°-40°	2863.5	20.0
40°-50°	2559.8	17.9
50°-60°	1769.9	12.4
60°-70°	1167.9	8.2
70°-80°	787.9	5.5
80°-90°	337.5	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°	4808.6	33.6
0°-40°	7672.0	53.7
0°-60°	12001.8	84.0
0°-90°	14295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6176	6176	6176	6176	6176	
5°	6152	6190	6165	6190	6196	586
15°	5989	6018	6012	6045	6041	1691
25°	5600	5653	5516	5351	5276	2580
35°	4956	4851	4465	4400	4372	3090
45°	3716	3402	3218	3242	3206	2826
55°	2030	1853	1992	1964	1992	1844
65°	1122	997	1115	1304	1417	1120
75°	532	669	785	839	862	580
85°	211	294	359	361	333	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6175.9	6175.9	6175.9	6175.9	6175.9
2.5°	6154.9	6193.4	6164.7	6191.3	6217.1
5°	6152.1	6189.9	6165.4	6190.5	6195.5
7.5°	6134.6	6169.6	6140.9	6165.4	6171.0
10°	6096.8	6138.1	6104.5	6142.3	6149.3
12.5°	6047.9	6089.9	6060.5	6112.2	6115.0
15°	5989.1	6017.8	6011.5	6045.1	6040.9
17.5°	5915.0	5947.9	5943.0	5951.4	5931.8
20°	5820.6	5857.7	5842.3	5803.8	5755.6
22.5°	5719.2	5763.9	5703.2	5605.9	5538.1
25°	5599.6	5652.8	5515.7	5351.4	5275.8
27.5°	5467.4	5515.0	5287.0	5085.6	5007.3
30°	5319.2	5339.4	5021.9	4830.3	4777.2
32.5°	5147.8	5118.5	4738.7	4612.1	4581.4
35°	4955.5	4851.3	4464.6	4399.5	4371.6
37.5°	4738.7	4547.8	4194.0	4163.9	4134.5
40°	4479.3	4197.4	3903.7	3884.2	3839.4
42.5°	4144.3	3816.3	3581.3	3558.2	3518.4
45°	3716.3	3401.6	3217.7	3242.1	3205.8
47.5°	3223.9	2985.5	2868.7	2935.8	2868.7
50°	2740.0	2579.9	2547.7	2608.6	2530.2
52.5°	2343.5	2199.4	2265.9	2276.4	2229.5
55°	2030.2	1853.3	1992.4	1964.4	1991.7
57.5°	1757.5	1559.5	1730.9	1698.7	1792.4
60°	1532.3	1309.9	1487.5	1480.5	1663.0
62.5°	1311.3	1133.7	1276.3	1379.1	1603.6
65°	1122.5	996.6	1115.4	1304.3	1416.9
67.5°	941.3	893.7	1020.3	1125.2	1248.3
70°	783.2	807.7	1012.6	993.1	1093.0
72.5°	650.4	733.6	893.7	897.2	967.9
75°	531.5	668.6	785.4	839.2	862.3
77.5°	442.0	606.3	709.1	728.0	705.6
80°	370.7	534.3	620.3	611.9	580.4
82.5°	299.3	404.9	488.9	496.6	459.5
85°	211.2	293.8	358.8	360.9	332.9
87.5°	113.3	181.1	217.5	223.8	207.0
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)