

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: P730404

Luminaire Tested: **HBLED-LD5-15HE-W-AI-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730404
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-L840
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: 14059.0 lumens
Efficiency: N/A
Efficacy: 154.2 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

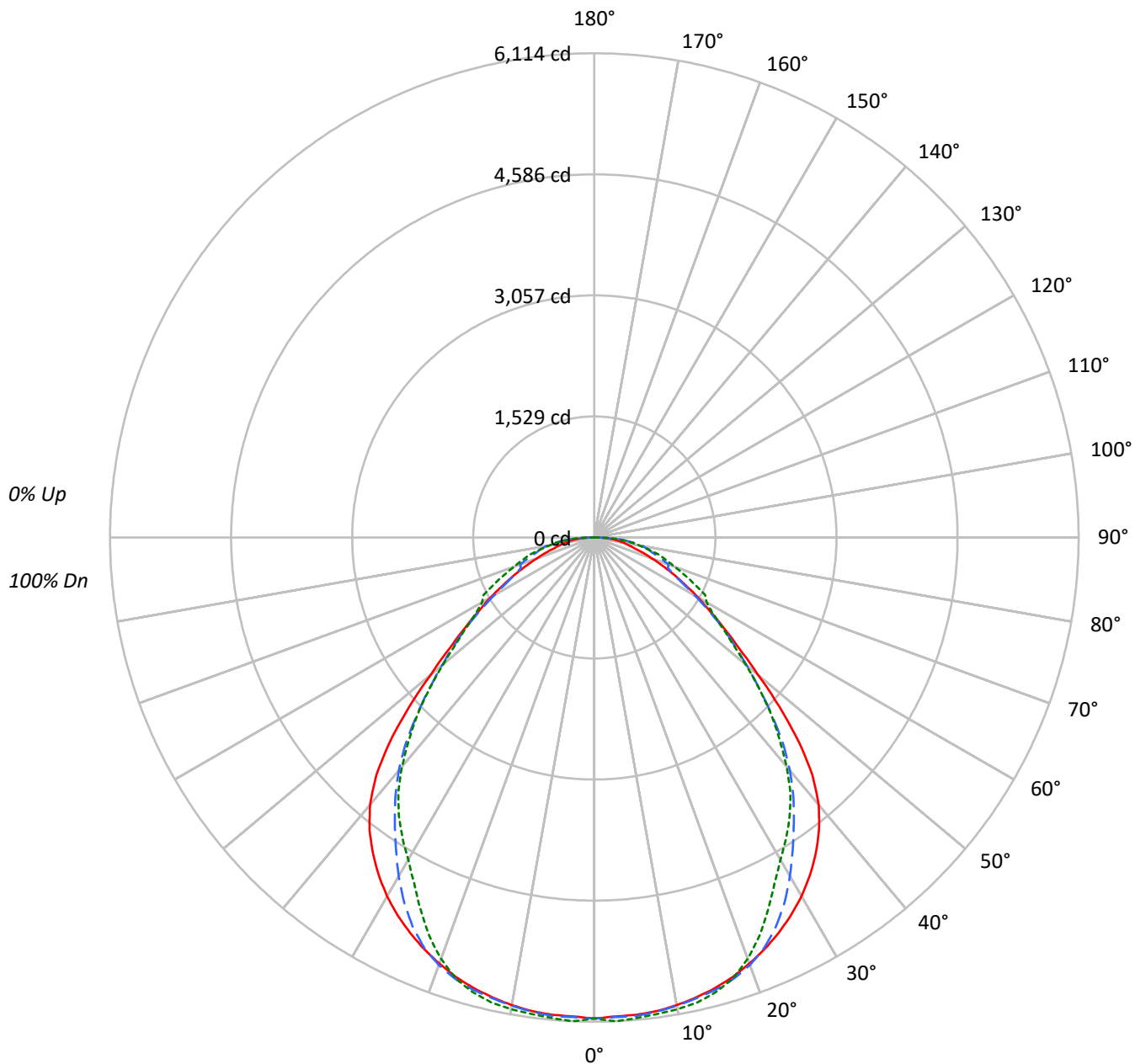
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9807	9807	9807
5°	9806	9828	9876
10°	9831	9843	9915
15°	9846	9883	9931
20°	9836	9872	9726
25°	9811	9664	9244
30°	9753	9208	8759
35°	9606	8655	8474
40°	9285	8092	7959
45°	8346	7226	7199
50°	6769	6294	6251
55°	5620	5516	5514
60°	4866	4724	5281
65°	4217	4191	5324
70°	3636	4701	5075
75°	3261	4818	5291
80°	3389	5673	5307
85°	3848	6538	6065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.3	4.1
10°-20°	1670.2	11.9
20°-30°	2480.6	17.6
30°-40°	2816.2	20.0
40°-50°	2517.6	17.9
50°-60°	1740.7	12.4
60°-70°	1148.6	8.2
70°-80°	774.9	5.5
80°-90°	331.9	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°	4729.2	33.6
0°-40°	7545.4	53.7
0°-60°	11803.6	84.0
0°-90°	14059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6074	6074	6074	6074	6074	
5°	6050	6088	6064	6088	6093	576
15°	5890	5918	5912	5945	5941	1663
25°	5507	5559	5425	5263	5189	2538
35°	4874	4771	4391	4327	4299	3039
45°	3655	3345	3164	3189	3153	2780
55°	1997	1823	1960	1932	1959	1814
65°	1104	980	1097	1283	1394	1102
75°	523	658	772	825	848	571
85°	208	289	353	355	327	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6073.9	6073.9	6073.9	6073.9	6073.9
2.5°	6053.3	6091.1	6062.9	6089.1	6114.5
5°	6050.5	6087.7	6063.6	6088.3	6093.2
7.5°	6033.3	6067.7	6039.5	6063.6	6069.1
10°	5996.2	6036.8	6003.7	6040.9	6047.8
12.5°	5948.1	5989.3	5960.4	6011.3	6014.1
15°	5890.3	5918.5	5912.3	5945.3	5941.2
17.5°	5817.3	5849.7	5844.9	5853.1	5833.9
20°	5724.5	5760.9	5745.8	5708.0	5660.6
22.5°	5624.8	5668.8	5609.0	5513.4	5446.6
25°	5507.1	5559.4	5424.7	5263.0	5188.7
27.5°	5377.2	5423.9	5199.7	5001.7	4924.6
30°	5231.4	5251.3	4939.0	4750.6	4698.3
32.5°	5062.8	5034.0	4660.5	4536.0	4505.7
35°	4873.7	4771.2	4390.9	4326.9	4299.4
37.5°	4660.5	4472.8	4124.7	4095.1	4066.2
40°	4405.3	4128.1	3839.3	3820.0	3776.0
42.5°	4075.9	3753.3	3522.2	3499.5	3460.3
45°	3655.0	3345.4	3164.5	3188.6	3152.9
47.5°	3170.7	2936.2	2821.4	2887.4	2821.4
50°	2694.8	2537.3	2505.6	2565.5	2488.5
52.5°	2304.8	2163.1	2228.5	2238.8	2192.7
55°	1996.6	1822.7	1959.6	1932.0	1958.8
57.5°	1728.4	1533.8	1702.3	1670.7	1762.8
60°	1507.0	1288.3	1463.0	1456.1	1635.5
62.5°	1289.6	1114.9	1255.2	1356.3	1577.1
65°	1103.9	980.1	1097.0	1282.7	1393.5
67.5°	925.8	879.0	1003.5	1106.6	1227.7
70°	770.3	794.4	995.9	976.7	1075.0
72.5°	639.6	721.5	879.0	882.4	951.9
75°	522.7	657.6	772.4	825.4	848.1
77.5°	434.7	596.3	697.4	716.0	694.0
80°	364.5	525.5	610.1	601.8	570.8
82.5°	294.3	398.3	480.8	488.4	451.9
85°	207.7	288.9	352.9	354.9	327.4
87.5°	111.4	178.2	213.9	220.1	203.6
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)