

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: P730394

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730394
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-L735
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: 14247.0 lumens
Efficiency: N/A
Efficacy: 156.2 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

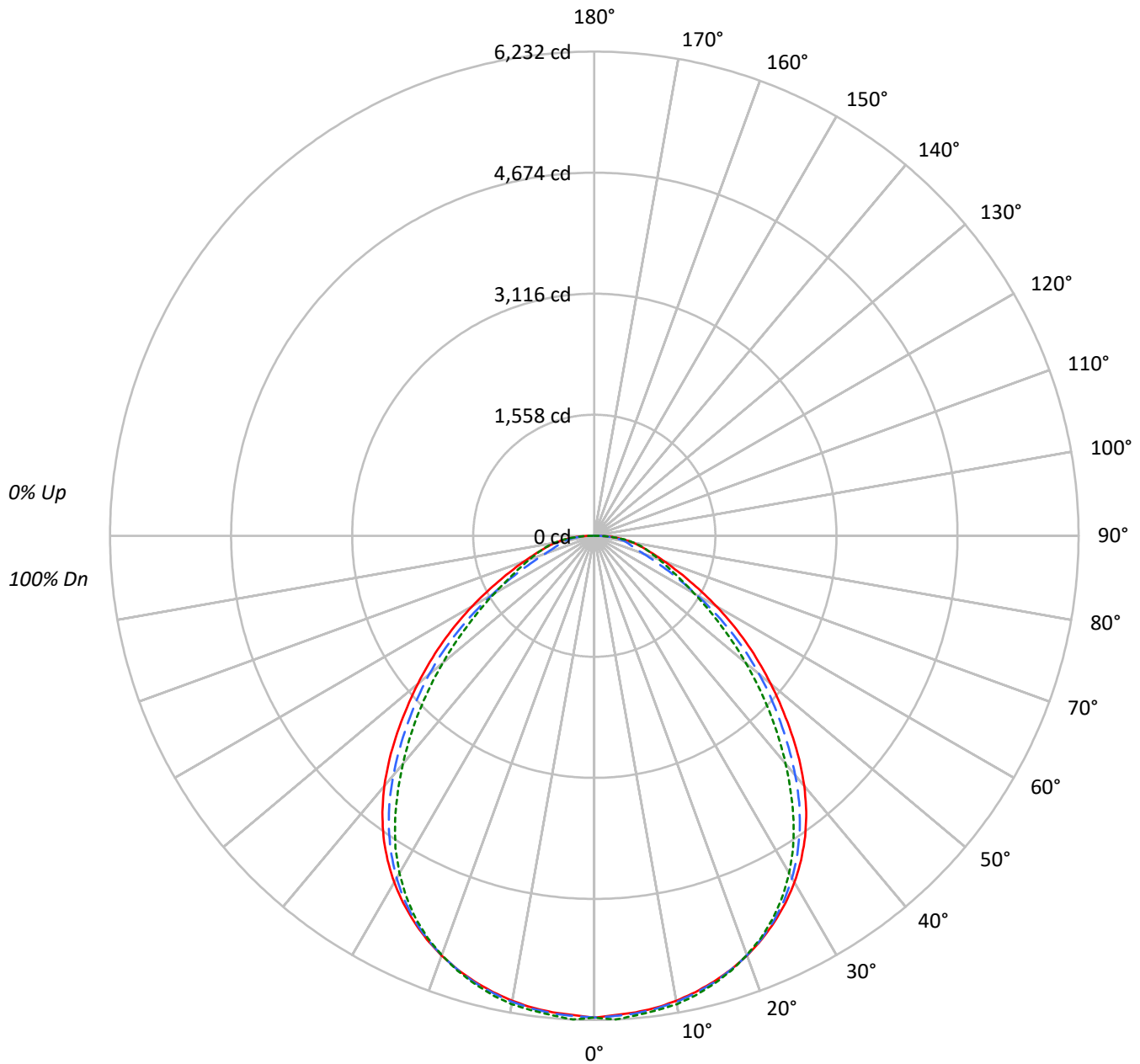
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10014	10014	10014
5°	9978	10001	10042
10°	9964	9987	10037
15°	9931	9951	9974
20°	9879	9871	9864
25°	9772	9738	9683
30°	9603	9487	9348
35°	9324	9089	8810
40°	8860	8480	8073
45°	8185	7728	7260
50°	7441	6959	6386
55°	6690	6025	5521
60°	5854	4924	4790
65°	5048	3872	4324
70°	4501	3160	4167
75°	4311	3085	4354
80°	4663	3649	4852
85°	5235	4392	5287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.8	4.1
10°-20°	1682.2	11.8
20°-30°	2516.4	17.7
30°-40°	2871.1	20.2
40°-50°	2613.5	18.3
50°-60°	1919.0	13.5
60°-70°	1133.1	8.0
70°-80°	649.4	4.6
80°-90°	274.6	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°	4786.4	33.6
0°-40°	7657.5	53.7
0°-60°	12190.0	85.6
0°-90°	14247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6202	6202	6202	6202	6202	
5°	6156	6195	6170	6195	6196	585
15°	5941	5974	5953	5974	5967	1676
25°	5485	5505	5466	5464	5435	2525
35°	4730	4707	4611	4532	4470	2947
45°	3585	3564	3385	3233	3180	2763
55°	2377	2267	2140	1985	1961	2125
65°	1321	1153	1014	1084	1132	1330
75°	691	592	494	645	698	745
85°	283	261	237	280	285	296
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6201.9	6201.9	6201.9	6201.9	6201.9
2.5°	6173.3	6208.9	6186.5	6211.0	6232.0
5°	6156.5	6195.0	6170.5	6195.0	6195.7
7.5°	6125.7	6161.4	6137.6	6164.2	6161.4
10°	6077.4	6113.1	6091.5	6120.1	6122.2
12.5°	6015.9	6050.2	6027.8	6060.7	6055.1
15°	5941.1	5973.9	5952.9	5973.9	5967.0
17.5°	5852.9	5883.0	5855.8	5878.8	5867.0
20°	5749.4	5774.6	5745.2	5766.9	5741.0
22.5°	5625.7	5648.0	5617.2	5629.1	5602.5
25°	5485.0	5504.6	5466.1	5464.0	5435.4
27.5°	5328.3	5338.9	5289.9	5273.1	5240.2
30°	5150.7	5153.5	5088.4	5057.0	5014.3
32.5°	4951.3	4944.4	4861.1	4814.3	4761.8
35°	4730.3	4707.3	4611.4	4532.4	4469.5
37.5°	4480.7	4444.3	4329.6	4212.8	4152.6
40°	4203.7	4161.0	4023.2	3878.4	3830.2
42.5°	3902.2	3865.8	3703.6	3552.5	3504.9
45°	3584.7	3563.7	3384.6	3232.8	3179.6
47.5°	3267.1	3251.7	3076.9	2922.3	2857.9
50°	2962.2	2928.6	2770.5	2601.2	2542.5
52.5°	2666.3	2597.7	2458.6	2285.1	2241.7
55°	2376.7	2266.9	2140.3	1985.1	1961.2
57.5°	2089.9	1947.9	1824.9	1708.7	1708.0
60°	1813.0	1650.7	1524.8	1463.9	1483.5
62.5°	1553.5	1387.0	1250.6	1254.8	1290.5
65°	1321.3	1153.4	1013.5	1084.1	1131.7
67.5°	1121.9	961.7	819.7	951.3	996.7
70°	953.4	808.5	669.4	833.7	882.7
72.5°	811.4	689.6	564.5	735.8	785.5
75°	691.1	592.4	494.5	644.9	698.0
77.5°	593.1	505.7	443.5	558.1	613.4
80°	501.5	424.6	392.4	474.2	521.8
82.5°	397.3	344.1	325.3	385.4	409.9
85°	282.6	260.9	237.1	279.8	285.4
87.5°	155.3	160.9	132.9	160.9	161.5
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)