

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: P730399

Luminaire Tested: **HBLED-LD5-15HE-W-A-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730399
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-L850
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: 14286.0 lumens
Efficiency: N/A
Efficacy: 156.6 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

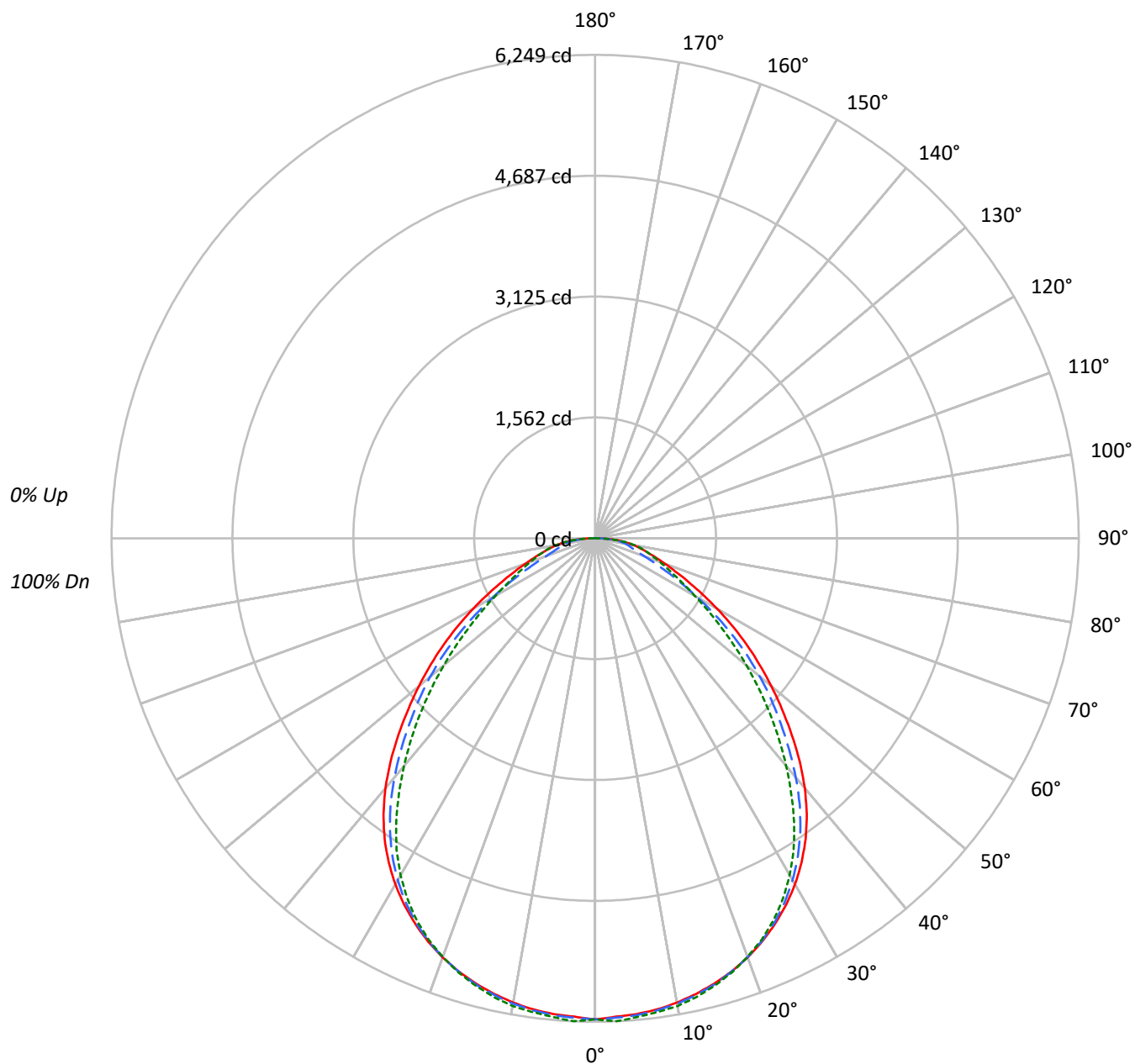
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10041	10041	10041
5°	10006	10028	10069
10°	9991	10014	10065
15°	9958	9978	10001
20°	9906	9899	9891
25°	9798	9765	9710
30°	9629	9513	9374
35°	9349	9114	8834
40°	8884	8503	8095
45°	8208	7749	7280
50°	7461	6978	6404
55°	6709	6041	5536
60°	5870	4937	4804
65°	5062	3883	4335
70°	4513	3169	4178
75°	4323	3093	4366
80°	4676	3659	4865
85°	5250	4405	5302



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.4	4.1
10°-20°	1686.8	11.8
20°-30°	2523.3	17.7
30°-40°	2878.9	20.2
40°-50°	2620.6	18.3
50°-60°	1924.3	13.5
60°-70°	1136.2	8.0
70°-80°	651.1	4.6
80°-90°	275.3	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°	4799.5	33.6
0°-40°	7678.5	53.7
0°-60°	12223.3	85.6
0°-90°	14286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6219	6219	6219	6219	6219	
5°	6173	6212	6187	6212	6213	587
15°	5957	5990	5969	5990	5983	1681
25°	5500	5520	5481	5479	5450	2532
35°	4743	4720	4624	4545	4482	2955
45°	3594	3573	3394	3242	3188	2770
55°	2383	2273	2146	1990	1967	2131
65°	1325	1156	1016	1087	1135	1333
75°	693	594	496	647	700	747
85°	283	262	238	280	286	296
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6218.9	6218.9	6218.9	6218.9	6218.9
2.5°	6190.1	6225.9	6203.5	6228.0	6249.1
5°	6173.4	6211.9	6187.4	6211.9	6212.6
7.5°	6142.5	6178.2	6154.4	6181.1	6178.2
10°	6094.1	6129.9	6108.1	6136.9	6139.0
12.5°	6032.4	6066.7	6044.3	6077.3	6071.7
15°	5957.3	5990.3	5969.2	5990.3	5983.3
17.5°	5868.9	5899.1	5871.8	5894.9	5883.0
20°	5765.1	5790.4	5761.0	5782.7	5756.8
22.5°	5641.1	5663.4	5632.6	5644.5	5617.8
25°	5500.0	5519.7	5481.1	5479.0	5450.2
27.5°	5342.9	5353.5	5304.4	5287.5	5254.6
30°	5164.8	5167.6	5102.4	5070.8	5028.0
32.5°	4964.9	4957.9	4874.4	4827.5	4774.8
35°	4743.3	4720.1	4624.1	4544.8	4481.7
37.5°	4492.9	4456.4	4341.4	4224.3	4163.9
40°	4215.2	4172.4	4034.2	3889.0	3840.6
42.5°	3912.9	3876.4	3713.7	3562.2	3514.5
45°	3594.5	3573.4	3393.8	3241.7	3188.3
47.5°	3276.0	3260.6	3085.3	2930.3	2865.7
50°	2970.3	2936.6	2778.1	2608.3	2549.5
52.5°	2673.6	2604.8	2465.3	2291.3	2247.9
55°	2383.2	2273.1	2146.2	1990.5	1966.6
57.5°	2095.6	1953.3	1829.9	1713.4	1712.7
60°	1817.9	1655.2	1528.9	1467.9	1487.6
62.5°	1557.7	1390.8	1254.0	1258.2	1294.0
65°	1324.9	1156.5	1016.3	1087.1	1134.8
67.5°	1125.0	964.4	822.0	953.9	999.4
70°	956.0	810.8	671.2	836.0	885.1
72.5°	813.6	691.5	566.0	737.8	787.6
75°	693.0	594.0	495.8	646.7	699.9
77.5°	594.8	507.1	444.7	559.7	615.1
80°	502.9	425.7	393.5	475.5	523.2
82.5°	398.3	345.1	326.1	386.4	411.0
85°	283.4	261.6	237.8	280.5	286.2
87.5°	155.7	161.3	133.2	161.3	162.0
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)