

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: P730375

Luminaire Tested: **HBLED-LD5-15HE-N-CL-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CL-UNV-L850
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14660.0 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

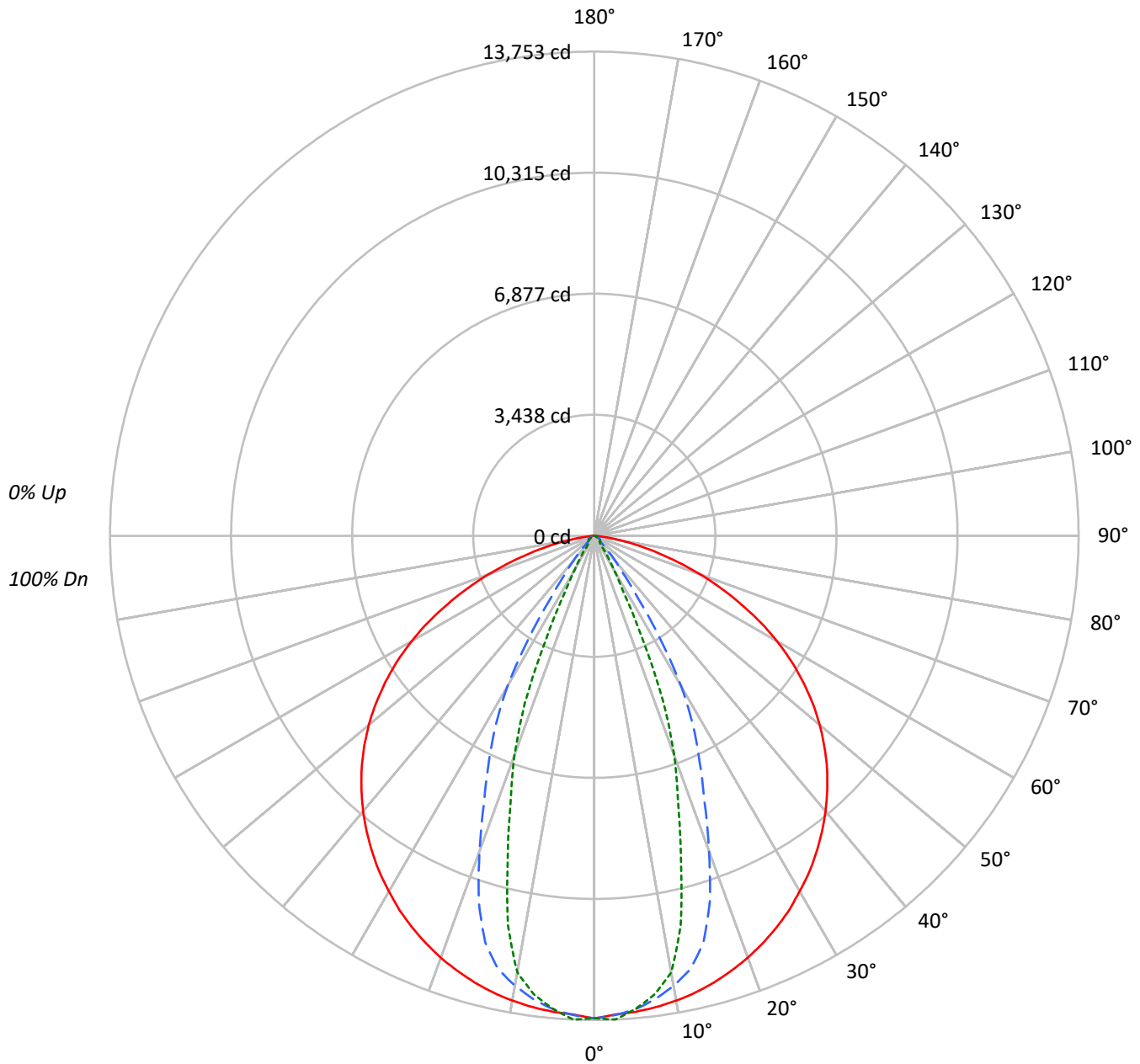
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90						
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81						
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73						
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66						
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60						
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55						
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51						
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47						
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44						
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41						

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22132	22132	22132
5°	21996	21881	21865
10°	21981	21276	20648
15°	21956	20007	15876
20°	21913	16373	11388
25°	21844	12615	5787
30°	21741	9206	2105
35°	21663	4228	733
40°	21530	1919	506
45°	21339	716	513
50°	20999	520	539
55°	20377	547	411
60°	19364	584	362
65°	17561	445	295
70°	15056	321	271
75°	11508	284	258
80°	7200	268	281
85°	2275	313	378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1276.2	8.7
10°-20°	3214.7	21.9
20°-30°	3501.0	23.9
30°-40°	2618.9	17.9
40°-50°	1883.1	12.8
50°-60°	1156.5	7.9
60°-70°	665.5	4.5
70°-80°	297.0	2.0
80°-90°	47.1	0.3
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°	7991.9	54.5
0°-40°	10610.8	72.4
0°-60°	13650.4	93.1
0°-90°	14660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13708	13708	13708	13708	13708	
5°	13571	13635	13501	13513	13491	###
15°	13135	12883	11969	10280	9498	3708
25°	12262	11382	7081	4543	3248	5652
35°	10991	7883	2145	631	372	6875
45°	9345	4429	314	232	224	7199
55°	7239	920	194	188	146	6454
65°	4596	101	116	97	77	4550
75°	1845	61	46	47	41	2002
85°	123	12	17	22	20	245
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13707.5	13707.5	13707.5	13707.5	13707.5
2.5°	13612.1	13701.2	13626.1	13693.4	13753.1
5°	13571.4	13635.2	13500.6	13513.2	13490.8
7.5°	13501.2	13516.7	13273.3	13179.3	13133.7
10°	13407.2	13365.9	12977.3	12753.6	12594.3
12.5°	13288.7	13152.0	12609.0	11810.1	11333.9
15°	13135.1	12883.3	11969.3	10279.6	9498.1
17.5°	12952.1	12602.7	10910.1	8567.3	7891.2
20°	12753.6	12292.7	9529.0	7284.5	6627.9
22.5°	12519.3	11896.4	8166.8	6058.3	5157.0
25°	12261.8	11382.2	7081.0	4543.2	3248.4
27.5°	11984.1	10703.9	6075.8	2786.1	1756.4
30°	11661.4	9878.3	4938.1	1563.5	1129.3
32.5°	11346.4	8916.0	3527.5	1041.6	721.8
35°	10990.8	7882.8	2145.0	630.6	371.7
37.5°	10614.1	6943.5	1342.6	343.0	256.7
40°	10215.0	6052.7	910.4	243.4	239.9
42.5°	9788.5	5246.7	570.2	231.5	239.2
45°	9345.3	4428.9	313.5	232.2	224.5
47.5°	8864.1	3540.9	218.9	219.5	218.9
50°	8359.8	2539.9	207.0	216.8	214.7
52.5°	7816.1	1576.9	207.6	211.8	190.1
55°	7238.8	920.3	194.3	188.0	145.9
57.5°	6632.1	573.8	190.1	155.0	131.2
60°	5996.6	303.1	181.0	139.6	112.2
62.5°	5319.7	149.4	145.2	119.2	91.9
65°	4596.5	101.0	116.5	96.8	77.2
67.5°	3897.9	91.2	87.7	79.2	67.3
70°	3189.4	83.4	68.0	69.4	57.5
72.5°	2494.3	75.7	54.7	59.6	48.4
75°	1844.8	61.0	45.6	47.0	41.4
77.5°	1283.6	47.7	35.8	40.0	38.6
80°	774.4	30.2	28.8	33.0	30.2
82.5°	375.3	19.6	22.5	25.9	23.8
85°	122.8	11.9	16.9	21.7	20.4
87.5°	15.4	7.0	14.0	18.9	17.5
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)