

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: P730417

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CL-WG-UNV-L850
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14416.0 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

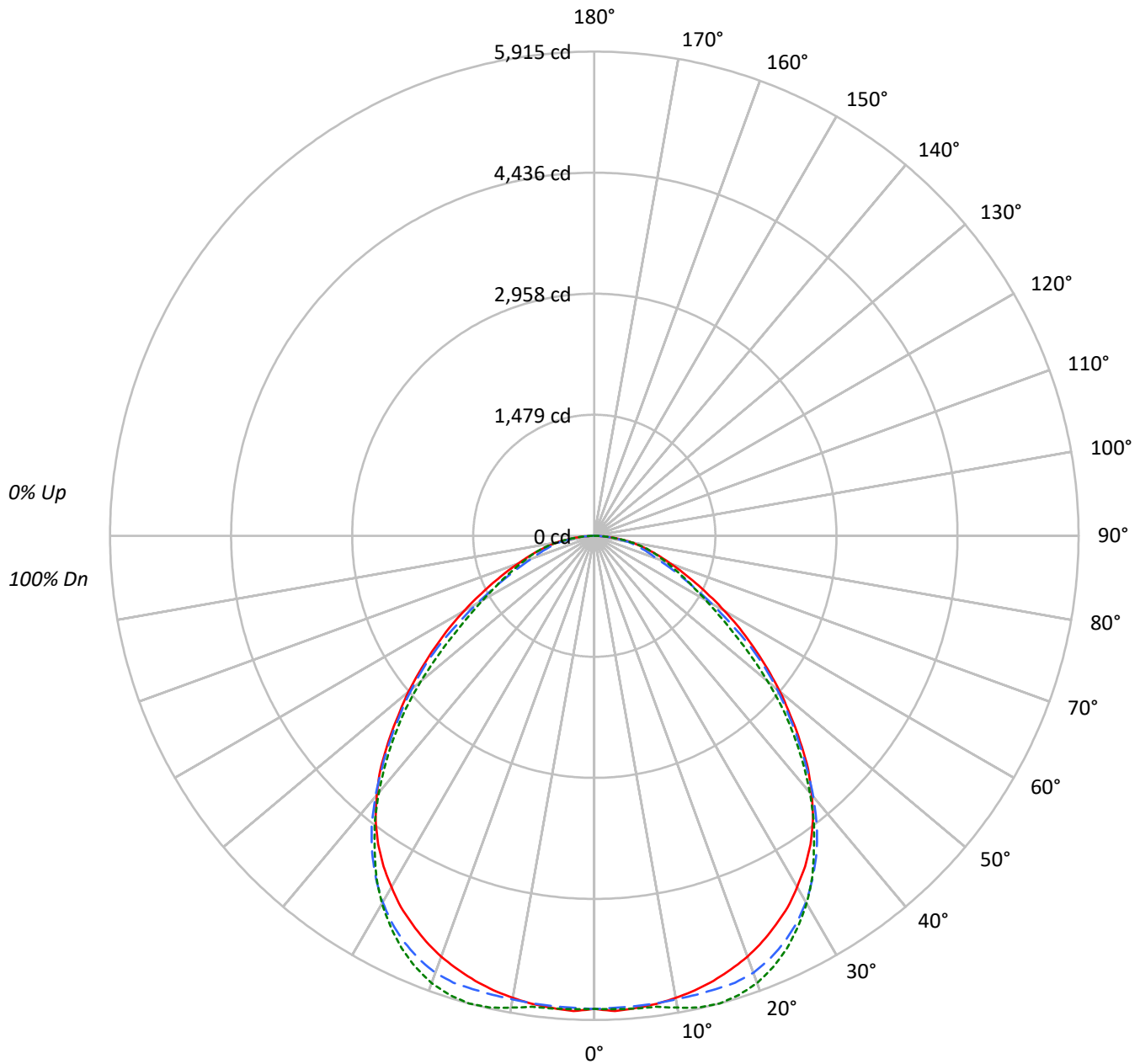
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730417

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P730417

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L850

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	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9333	9333	9333
5°	9388	9349	9395
10°	9396	9428	9597
15°	9408	9585	9887
20°	9402	9760	9988
25°	9344	9769	9913
30°	9237	9640	9670
35°	9072	9327	9216
40°	8714	8767	8629
45°	8119	8034	7871
50°	7434	7314	6939
55°	6677	6430	5867
60°	5922	5320	5065
65°	5218	4420	4597
70°	4666	3836	4378
75°	4371	3730	4427
80°	4256	3770	4214
85°	3398	2983	3094



TEST NUMBER: P730417

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.6	3.8
10°-20°	1622.0	11.3
20°-30°	2495.2	17.3
30°-40°	2912.0	20.2
40°-50°	2706.0	18.8
50°-60°	2005.8	13.9
60°-70°	1226.2	8.5
70°-80°	698.4	4.8
80°-90°	199.8	1.4
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°	4667.8	32.4
0°-40°	7579.8	52.6
0°-60°	12291.6	85.3
0°-90°	14416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5780	5780	5780	5780	5780	
5°	5792	5766	5768	5764	5797	551
15°	5628	5625	5734	5848	5915	1589
25°	5245	5285	5484	5530	5564	2416
35°	4603	4638	4732	4694	4676	2868
45°	3556	3577	3519	3464	3447	2740
55°	2372	2312	2284	2122	2084	2129
65°	1366	1240	1157	1188	1203	1367
75°	701	658	598	681	710	750
85°	183	179	161	167	167	211
90°	0	0	0	0	0	



TEST NUMBER: P730417

CATALOG NUMBER: HBLED-LD5-15HE-W-CL-WG-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5780.4	5780.4	5780.4	5780.4	5780.4
2.5°	5811.7	5778.9	5772.9	5759.5	5789.3
5°	5792.3	5765.5	5768.4	5764.0	5796.8
7.5°	5770.0	5750.6	5762.5	5761.0	5804.3
10°	5731.2	5720.8	5750.6	5783.4	5853.5
12.5°	5687.9	5677.5	5743.1	5826.6	5902.7
15°	5628.3	5625.3	5734.2	5847.5	5914.6
17.5°	5553.8	5558.3	5723.7	5820.7	5880.3
20°	5471.8	5479.2	5680.5	5759.5	5813.2
22.5°	5365.9	5391.3	5597.0	5662.6	5704.4
25°	5245.1	5285.4	5483.7	5529.9	5564.2
27.5°	5115.4	5155.7	5343.5	5367.4	5386.8
30°	4954.4	5011.0	5170.6	5173.6	5187.0
32.5°	4790.4	4841.1	4963.4	4949.9	4952.9
35°	4602.6	4638.3	4732.2	4693.5	4675.6
37.5°	4386.4	4405.7	4465.4	4407.3	4404.2
40°	4134.4	4159.7	4159.7	4079.2	4094.1
42.5°	3866.0	3874.9	3837.7	3761.6	3773.6
45°	3555.9	3576.8	3518.6	3463.5	3447.1
47.5°	3248.8	3269.6	3208.5	3144.4	3116.1
50°	2959.5	2949.1	2911.8	2803.0	2762.7
52.5°	2659.8	2627.0	2612.2	2452.6	2406.4
55°	2372.1	2312.5	2284.2	2121.6	2084.3
57.5°	2105.2	1997.9	1944.2	1817.5	1802.5
60°	1833.9	1713.1	1647.5	1565.5	1568.5
62.5°	1587.9	1461.1	1382.1	1358.3	1368.7
65°	1365.7	1240.4	1157.0	1188.3	1203.2
67.5°	1164.4	1061.6	967.6	1040.7	1055.6
70°	988.5	906.5	812.6	919.9	927.4
72.5°	842.4	775.3	696.3	797.6	814.0
75°	700.7	657.5	597.9	681.4	709.7
77.5°	577.0	542.7	508.4	559.1	590.4
80°	457.7	423.4	405.5	432.3	453.2
82.5°	323.5	301.2	283.3	302.7	313.1
85°	183.4	178.9	161.0	167.0	167.0
87.5°	41.8	47.7	53.7	49.2	41.8
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)