

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: P730396

Luminaire Tested: **HBLED-LD5-15HE-W-A-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730396
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-L750
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: 15032.0 lumens
Efficiency: N/A
Efficacy: 164.8 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

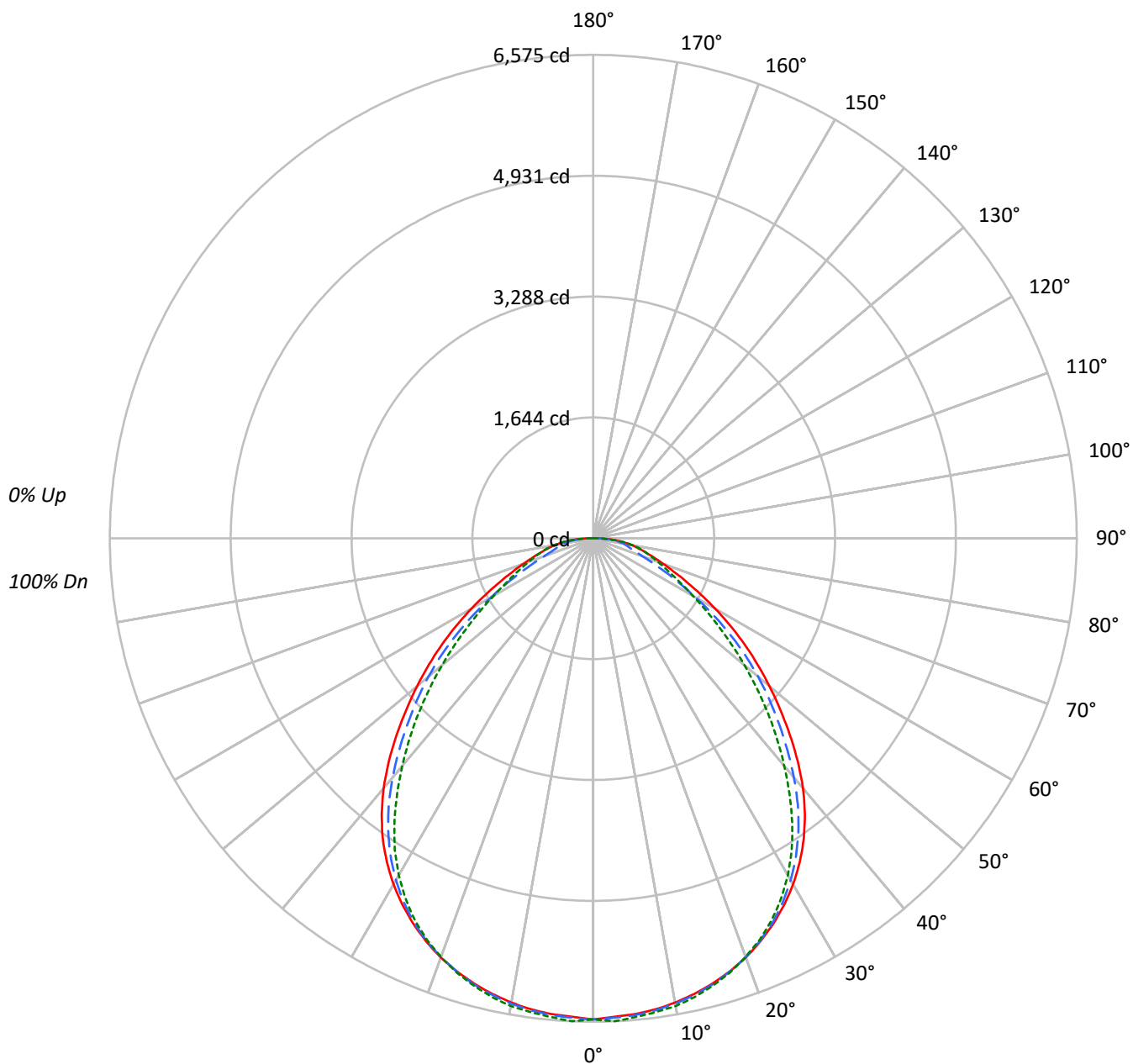
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730396

CATALOG NUMBER: HBLED-LD5-15HE-W-A-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730396

CATALOG NUMBER: HBLED-LD5-15HE-W-A-UNV-L750

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°	10565	10565	10565
5°	10528	10552	10595
10°	10513	10537	10590
15°	10478	10499	10524
20°	10423	10415	10408
25°	10310	10274	10217
30°	10132	10009	9864
35°	9837	9590	9295
40°	9348	8947	8518
45°	8636	8154	7660
50°	7851	7343	6738
55°	7059	6357	5825
60°	6177	5195	5055
65°	5326	4085	4562
70°	4749	3334	4396
75°	4548	3255	4594
80°	4920	3849	5119
85°	5524	4635	5578



TEST NUMBER: P730396

CATALOG NUMBER: HBLED-LD5-15HE-W-A-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.2	4.1
10°-20°	1774.9	11.8
20°-30°	2655.1	17.7
30°-40°	3029.2	20.2
40°-50°	2757.5	18.3
50°-60°	2024.8	13.5
60°-70°	1195.5	8.0
70°-80°	685.1	4.6
80°-90°	289.7	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°	5050.2	33.6
0°-40°	8079.4	53.7
0°-60°	12861.6	85.6
0°-90°	15032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6544	6544	6544	6544	6544	
5°	6496	6536	6510	6536	6537	618
15°	6268	6303	6281	6303	6296	1769
25°	5787	5808	5767	5765	5735	2664
35°	4991	4967	4866	4782	4716	3110
45°	3782	3760	3571	3411	3355	2915
55°	2508	2392	2258	2094	2069	2243
65°	1394	1217	1069	1144	1194	1403
75°	729	625	522	680	736	786
85°	298	275	250	295	301	312
90°	0	0	0	0	0	



TEST NUMBER: P730396

CATALOG NUMBER: HBLED-LD5-15HE-W-A-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6543.7	6543.7	6543.7	6543.7	6543.7
2.5°	6513.4	6551.1	6527.4	6553.3	6575.4
5°	6495.7	6536.3	6510.5	6536.3	6537.0
7.5°	6463.3	6500.9	6475.8	6503.9	6500.9
10°	6412.3	6450.0	6427.1	6457.4	6459.6
12.5°	6347.4	6383.5	6360.0	6394.6	6388.7
15°	6268.4	6303.1	6280.9	6303.1	6295.7
17.5°	6175.4	6207.2	6178.4	6202.8	6190.2
20°	6066.2	6092.8	6061.8	6084.6	6057.4
22.5°	5935.6	5959.2	5926.7	5939.3	5911.2
25°	5787.2	5807.9	5767.3	5765.1	5734.8
27.5°	5621.9	5633.0	5581.3	5563.6	5528.9
30°	5434.5	5437.5	5368.8	5335.6	5290.6
32.5°	5224.1	5216.8	5129.0	5079.5	5024.1
35°	4991.0	4966.6	4865.5	4782.1	4715.7
37.5°	4727.5	4689.2	4568.1	4444.9	4381.4
40°	4435.3	4390.3	4244.9	4092.1	4041.2
42.5°	4117.2	4078.9	3907.6	3748.2	3698.0
45°	3782.2	3760.0	3571.1	3410.9	3354.8
47.5°	3447.1	3430.9	3246.4	3083.3	3015.4
50°	3125.4	3089.9	2923.2	2744.5	2682.6
52.5°	2813.2	2740.8	2594.0	2411.0	2365.3
55°	2507.7	2391.8	2258.3	2094.4	2069.3
57.5°	2205.1	2055.3	1925.4	1802.9	1802.2
60°	1912.9	1741.6	1608.8	1544.6	1565.3
62.5°	1639.0	1463.4	1319.5	1323.9	1361.6
65°	1394.1	1216.9	1069.3	1143.9	1194.1
67.5°	1183.7	1014.7	864.9	1003.7	1051.6
70°	1005.9	853.1	706.3	879.6	931.3
72.5°	856.1	727.6	595.6	776.3	828.7
75°	729.1	625.0	521.7	680.4	736.5
77.5°	625.8	533.6	467.9	588.9	647.2
80°	529.1	448.0	414.0	500.4	550.5
82.5°	419.1	363.1	343.2	406.6	432.5
85°	298.2	275.3	250.2	295.2	301.1
87.5°	163.8	169.7	140.2	169.7	170.4
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)