

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: P730418

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-W-CLI-UNV-L735
Description: 15000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15057.0 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

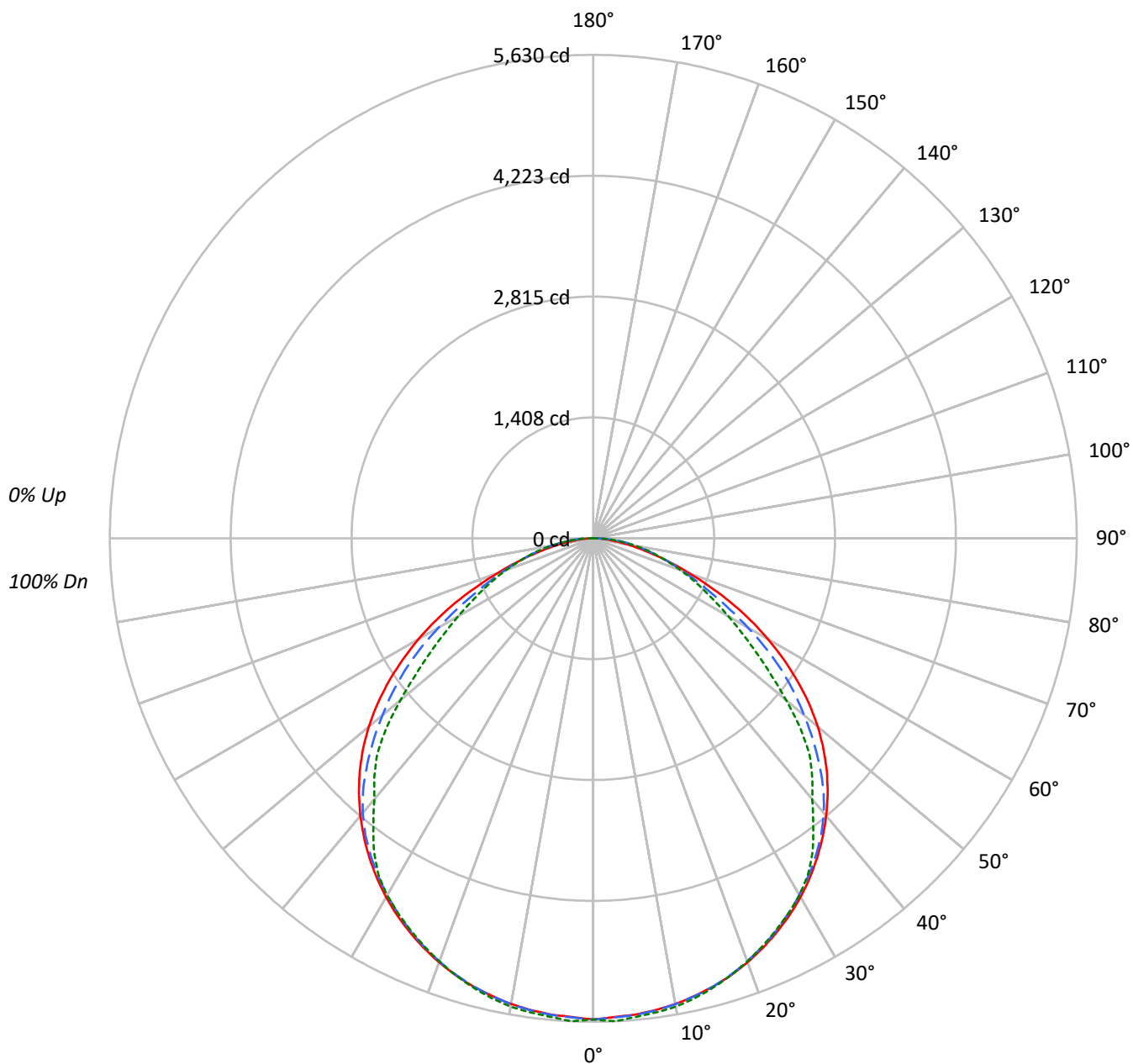
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730418

CATALOG NUMBER: HBLED-LD5-15HE-W-CLI-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730418

CATALOG NUMBER: HBLED-LD5-15HE-W-CLI-UNV-L735

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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9049	9049	9049
5°	9024	9031	9071
10°	9029	9034	9081
15°	9031	9029	9051
20°	9028	9008	9010
25°	9014	8981	8970
30°	9000	8946	8951
35°	8958	8902	8776
40°	8894	8803	8359
45°	8781	8500	8128
50°	8570	8047	7361
55°	8180	7526	6509
60°	7591	6715	5870
65°	6747	5814	5398
70°	5599	5196	5088
75°	4528	4755	4814
80°	3597	4548	4529
85°	2816	4885	4661



TEST NUMBER: P730418

CATALOG NUMBER: HBLED-LD5-15HE-W-CLI-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.5	3.5
10°-20°	1528.8	10.2
20°-30°	2331.1	15.5
30°-40°	2820.3	18.7
40°-50°	2856.7	19.0
50°-60°	2361.1	15.7
60°-70°	1559.5	10.4
70°-80°	813.2	5.4
80°-90°	254.9	1.7
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°	4391.3	29.2
0°-40°	7211.6	47.9
0°-60°	12429.4	82.5
0°-90°	15057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5604	5604	5604	5604	5604	
5°	5568	5602	5572	5596	5597	530
15°	5402	5430	5402	5419	5415	1526
25°	5060	5080	5041	5054	5035	2333
35°	4545	4551	4516	4510	4452	2843
45°	3846	3836	3722	3607	3560	2961
55°	2906	2863	2674	2414	2312	2590
65°	1766	1715	1522	1423	1413	1744
75°	726	739	762	772	772	791
85°	152	196	264	262	252	185
90°	0	0	0	0	0	



TEST NUMBER: P730418

CATALOG NUMBER: HBLED-LD5-15HE-W-CLI-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5604.3	5604.3	5604.3	5604.3	5604.3
2.5°	5580.8	5613.7	5586.1	5610.3	5629.9
5°	5568.0	5601.6	5572.0	5596.2	5596.9
7.5°	5543.1	5576.7	5546.4	5570.7	5570.0
10°	5507.4	5539.1	5510.1	5539.1	5539.1
12.5°	5459.0	5489.9	5461.7	5488.6	5484.5
15°	5402.5	5430.0	5401.8	5418.6	5414.6
17.5°	5335.9	5360.8	5329.1	5343.2	5335.2
20°	5254.5	5277.3	5242.4	5260.5	5243.7
22.5°	5162.9	5184.5	5148.8	5162.3	5143.4
25°	5060.0	5080.2	5041.2	5054.0	5035.1
27.5°	4949.0	4967.2	4923.4	4938.9	4924.1
30°	4827.2	4836.0	4798.3	4818.5	4801.0
32.5°	4691.3	4696.7	4663.7	4681.9	4652.3
35°	4544.6	4550.7	4516.4	4510.3	4452.5
37.5°	4387.9	4390.6	4358.3	4303.8	4208.3
40°	4219.7	4218.4	4176.7	4050.8	3966.1
42.5°	4040.0	4039.4	3966.1	3822.7	3774.3
45°	3845.6	3835.6	3722.5	3606.8	3559.7
47.5°	3637.1	3626.3	3468.2	3376.1	3269.1
50°	3411.7	3392.9	3203.8	3078.0	2930.7
52.5°	3168.8	3139.9	2947.5	2744.3	2605.0
55°	2905.8	2862.7	2673.7	2414.0	2312.4
57.5°	2632.0	2568.0	2384.3	2131.4	2048.6
60°	2350.7	2279.4	2079.6	1871.7	1817.8
62.5°	2061.4	1990.8	1786.9	1630.2	1600.5
65°	1766.1	1714.9	1521.8	1422.9	1412.9
67.5°	1463.3	1445.1	1297.8	1247.4	1243.3
70°	1186.1	1182.8	1100.7	1075.1	1077.8
72.5°	948.0	943.9	931.8	919.0	919.7
75°	725.9	738.7	762.3	772.3	771.7
77.5°	541.6	567.9	617.6	637.8	634.4
80°	386.9	425.9	489.1	508.0	487.1
82.5°	257.7	298.7	373.4	376.1	359.3
85°	152.0	195.8	263.7	261.7	251.6
87.5°	75.3	117.7	158.1	151.3	144.7
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)