

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: P730442

Luminaire Tested: **HBLED-LD5-15SE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730442
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-LD5-15SE-N-CL-UNV-L735
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14453.0 lumens
Efficiency: N/A
Efficacy: 153.8 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

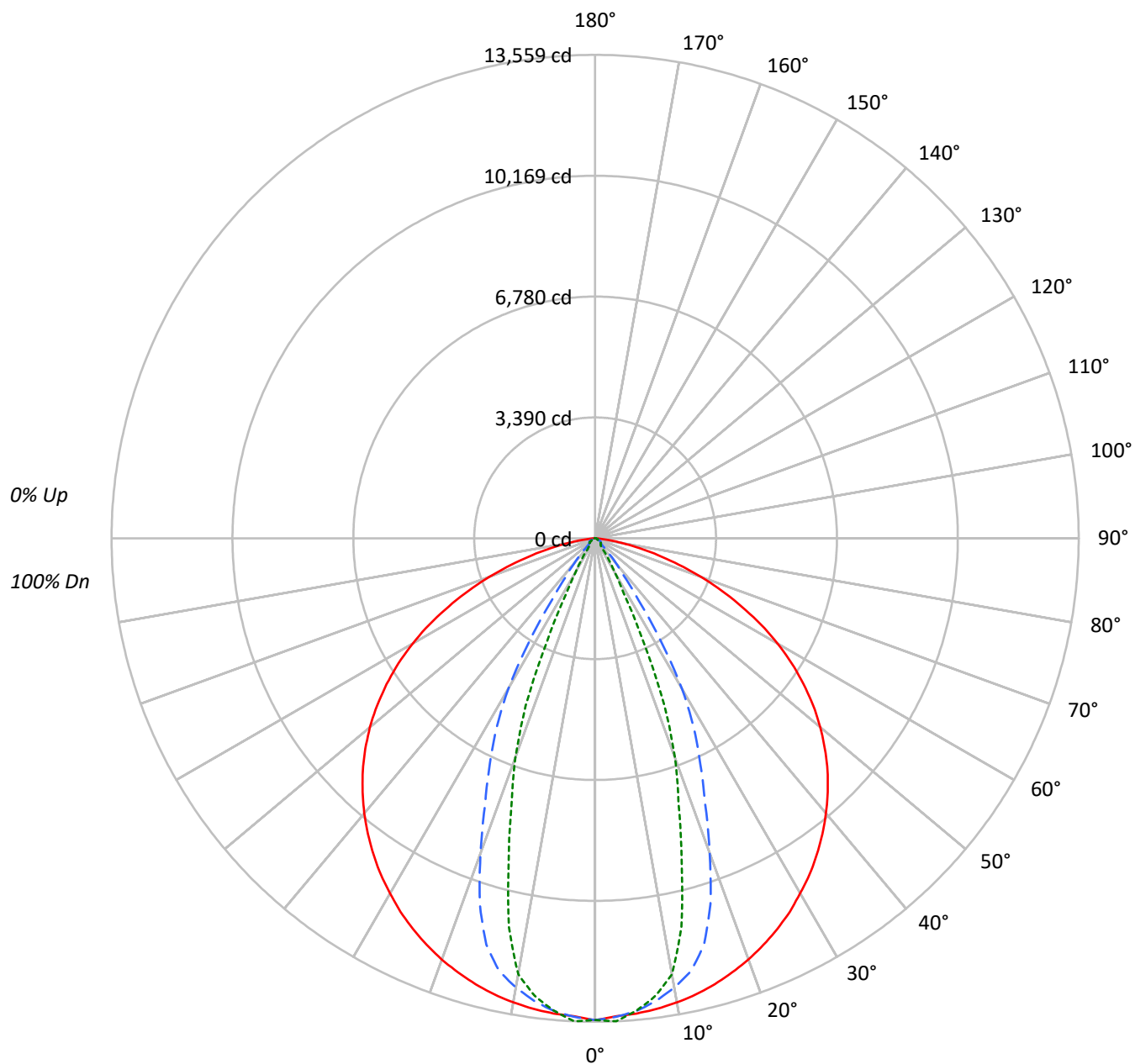
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730442

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730442

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-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	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°	21819	21819	21819
5°	21685	21572	21557
10°	21671	20976	20357
15°	21646	19725	15652
20°	21604	16142	11227
25°	21536	12437	5705
30°	21434	9076	2076
35°	21357	4168	722
40°	21226	1892	498
45°	21037	706	505
50°	20702	512	532
55°	20089	539	405
60°	19091	576	357
65°	17313	439	291
70°	14844	317	268
75°	11346	281	255
80°	7099	264	277
85°	2242	308	372



TEST NUMBER: P730442

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1258.1	8.7
10°-20°	3169.4	21.9
20°-30°	3451.6	23.9
30°-40°	2581.9	17.9
40°-50°	1856.5	12.8
50°-60°	1140.2	7.9
60°-70°	656.1	4.5
70°-80°	292.8	2.0
80°-90°	46.4	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°	7879.1	54.5
0°-40°	10461.0	72.4
0°-60°	13457.6	93.1
0°-90°	14453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13514	13514	13514	13514	13514	
5°	13380	13443	13310	13322	13300	###
15°	12950	12701	11800	10134	9364	3656
25°	12089	11222	6981	4479	3202	5572
35°	10836	7772	2115	622	366	6778
45°	9213	4366	309	229	221	7098
55°	7137	907	192	185	144	6363
65°	4532	100	115	95	76	4486
75°	1819	60	45	46	41	1974
85°	121	12	17	21	20	241
90°	0	0	0	0	0	



TEST NUMBER: P730442

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13513.9	13513.9	13513.9	13513.9	13513.9
2.5°	13419.9	13507.7	13433.7	13500.1	13558.9
5°	13379.8	13442.7	13309.9	13322.3	13300.3
7.5°	13310.6	13325.8	13085.9	12993.2	12948.2
10°	13217.9	13177.2	12794.1	12573.5	12416.5
12.5°	13101.1	12966.3	12431.0	11643.3	11173.8
15°	12949.6	12701.4	11800.3	10134.4	9364.0
17.5°	12769.2	12424.8	10756.1	8446.3	7779.7
20°	12573.5	12119.1	9394.4	7181.6	6534.3
22.5°	12342.5	11728.4	8051.5	5972.8	5084.2
25°	12088.7	11221.5	6981.0	4479.1	3202.5
27.5°	11814.9	10552.8	5990.0	2746.7	1731.6
30°	11496.7	9738.9	4868.4	1541.4	1113.4
32.5°	11186.2	8790.1	3477.7	1026.9	711.6
35°	10835.6	7771.5	2114.7	621.7	366.5
37.5°	10464.2	6845.5	1323.6	338.1	253.1
40°	10070.8	5967.2	897.6	240.0	236.5
42.5°	9650.3	5172.6	562.2	228.2	235.8
45°	9213.3	4366.3	309.1	228.9	221.3
47.5°	8738.9	3490.9	215.8	216.4	215.8
50°	8241.7	2504.0	204.0	213.7	211.6
52.5°	7705.8	1554.6	204.7	208.8	187.4
55°	7136.6	907.3	191.6	185.3	143.8
57.5°	6538.4	565.7	187.4	152.9	129.3
60°	5911.9	298.8	178.4	137.6	110.6
62.5°	5244.6	147.3	143.1	117.6	90.6
65°	4531.6	99.6	114.8	95.4	76.1
67.5°	3842.8	89.9	86.5	78.1	66.4
70°	3144.4	82.3	67.1	68.5	56.7
72.5°	2459.1	74.7	53.9	58.8	47.7
75°	1818.7	60.2	45.0	46.3	40.8
77.5°	1265.5	47.0	35.3	39.4	38.0
80°	763.5	29.8	28.4	32.5	29.8
82.5°	370.0	19.3	22.2	25.6	23.5
85°	121.0	11.7	16.6	21.4	20.1
87.5°	15.2	6.9	13.8	18.7	17.3
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)