

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: P730444

Luminaire Tested: **HBLED-LD5-15SE-N-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730444
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-L750
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: 15249.0 lumens
Efficiency: N/A
Efficacy: 162.2 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

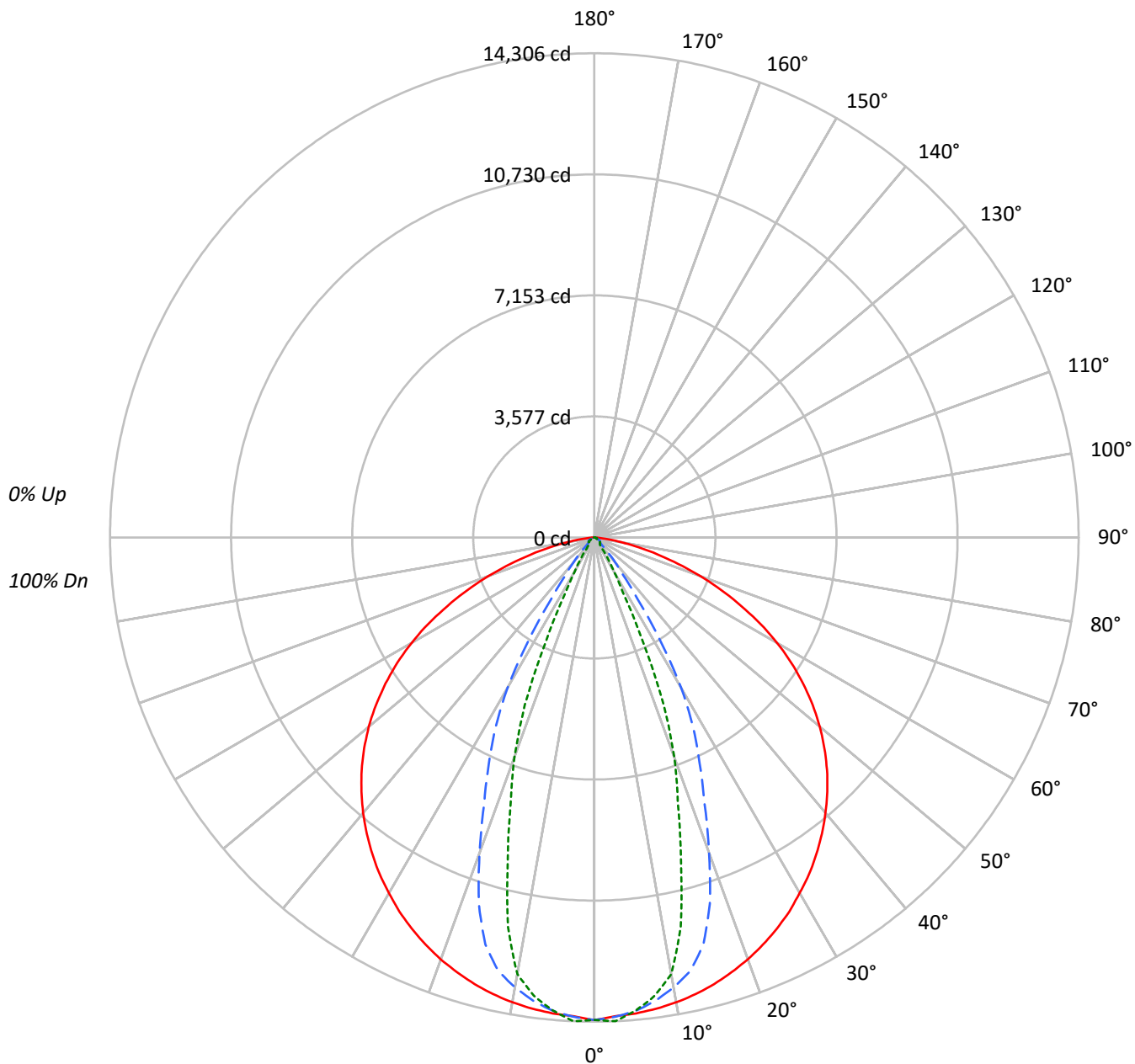
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730444

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L750

Luminous Intensity Polar Plot





TEST NUMBER: P730444

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-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	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°	23021	23021	23021
5°	22880	22760	22744
10°	22864	22131	21478
15°	22838	20811	16514
20°	22794	17031	11845
25°	22722	13122	6020
30°	22615	9576	2190
35°	22534	4398	762
40°	22395	1996	526
45°	22196	745	533
50°	21842	541	561
55°	21196	569	427
60°	20142	608	377
65°	18266	463	307
70°	15662	334	282
75°	11971	296	269
80°	7490	278	292
85°	2366	324	393



TEST NUMBER: P730444

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L750

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1327.4	8.7
10°-20°	3343.9	21.9
20°-30°	3641.7	23.9
30°-40°	2724.2	17.9
40°-50°	1958.7	12.8
50°-60°	1203.0	7.9
60°-70°	692.2	4.5
70°-80°	308.9	2.0
80°-90°	49.0	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°	8313.0	54.5
0°-40°	11037.2	72.4
0°-60°	14198.8	93.1
0°-90°	15249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14258	14258	14258	14258	14258	
5°	14117	14183	14043	14056	14033	###
15°	13663	13401	12450	10693	9880	3857
25°	12754	11840	7366	4726	3379	5879
35°	11432	8200	2231	656	387	7151
45°	9721	4607	326	242	234	7489
55°	7530	957	202	196	152	6713
65°	4781	105	121	101	80	4733
75°	1919	64	47	49	43	2082
85°	128	12	18	23	21	254
90°	0	0	0	0	0	



TEST NUMBER: P730444

CATALOG NUMBER: HBLED-LD5-15SE-N-CL-UNV-L750

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14258.2	14258.2	14258.2	14258.2	14258.2
2.5°	14159.0	14251.6	14173.6	14243.6	14305.6
5°	14116.7	14183.1	14043.0	14056.1	14032.8
7.5°	14043.7	14059.7	13806.6	13708.8	13661.4
10°	13945.9	13902.9	13498.7	13266.0	13100.3
12.5°	13822.6	13680.4	13115.6	12284.6	11789.2
15°	13662.9	13400.9	12450.2	10692.6	9879.7
17.5°	13472.4	13109.1	11348.5	8911.5	8208.2
20°	13266.0	12786.6	9911.8	7577.1	6894.1
22.5°	13022.3	12374.3	8494.9	6301.7	5364.2
25°	12754.5	11839.5	7365.5	4725.8	3378.9
27.5°	12465.6	11134.0	6319.9	2898.0	1827.0
30°	12129.9	10275.2	5136.5	1626.3	1174.7
32.5°	11802.3	9274.2	3669.3	1083.5	750.8
35°	11432.4	8199.5	2231.2	655.9	386.7
37.5°	11040.6	7222.5	1396.5	356.8	267.0
40°	10625.4	6295.9	947.0	253.2	249.6
42.5°	10181.8	5457.5	593.1	240.8	248.8
45°	9720.7	4606.8	326.1	241.5	233.5
47.5°	9220.2	3683.1	227.7	228.4	227.7
50°	8695.6	2641.9	215.3	225.5	223.3
52.5°	8130.1	1640.2	216.0	220.3	197.7
55°	7529.7	957.2	202.1	195.6	151.8
57.5°	6898.5	596.8	197.7	161.3	136.4
60°	6237.5	315.2	188.2	145.2	116.7
62.5°	5533.4	155.4	151.0	124.0	95.6
65°	4781.2	105.1	121.2	100.7	80.3
67.5°	4054.5	94.8	91.2	82.4	70.0
70°	3317.6	86.8	70.7	72.2	59.8
72.5°	2594.6	78.8	56.9	62.0	50.3
75°	1918.9	63.5	47.4	48.9	43.1
77.5°	1335.2	49.6	37.2	41.6	40.1
80°	805.5	31.4	29.9	34.3	31.4
82.5°	390.3	20.4	23.4	27.0	24.8
85°	127.7	12.4	17.5	22.6	21.2
87.5°	16.1	7.3	14.6	19.7	18.2
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)