

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: P730384

Luminaire Tested: **HBLED-LD5-15HE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15HE-N-CLI-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15237.0 lumens
Efficiency: N/A
Efficacy: 167.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

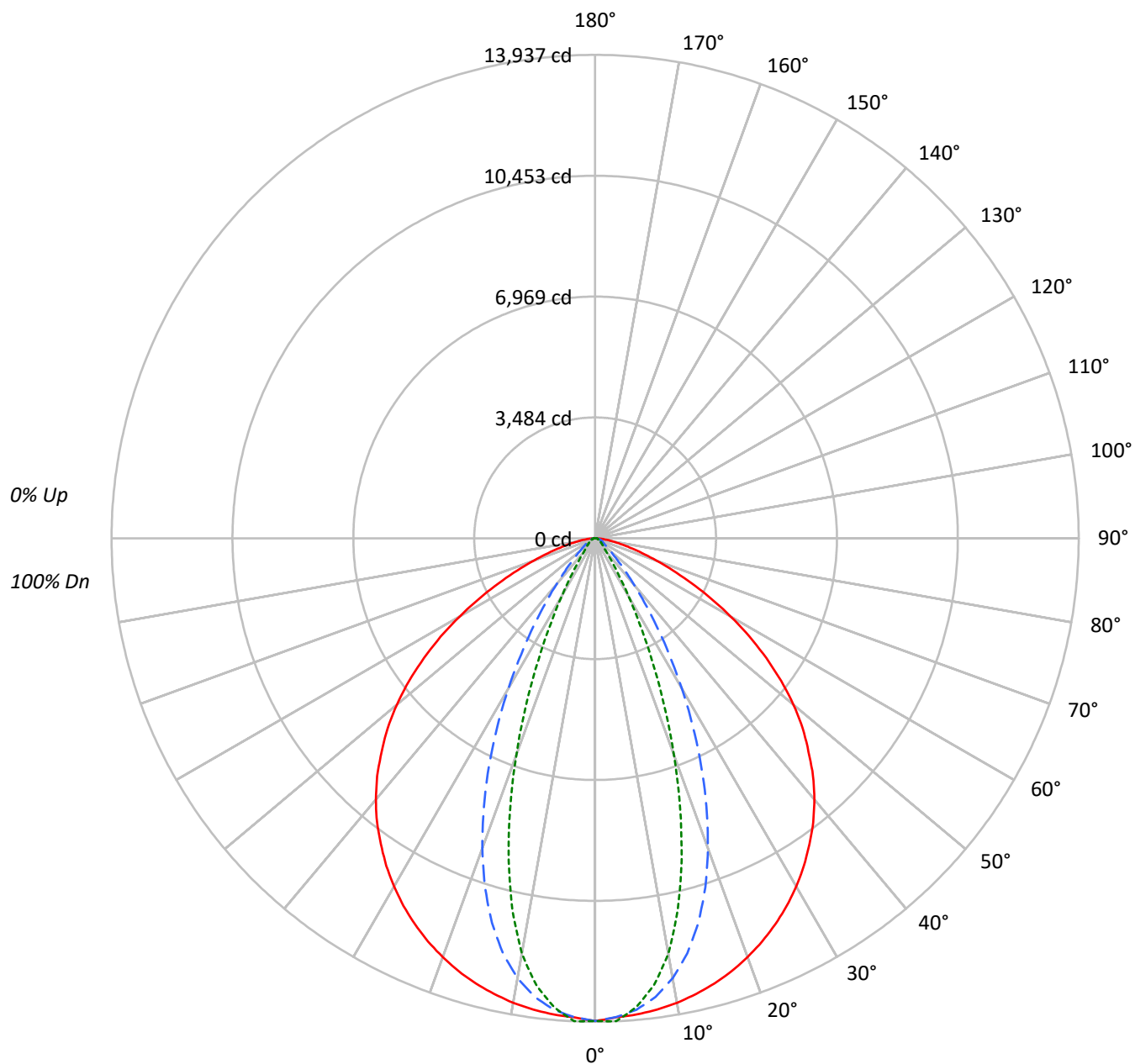
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	82	82	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	61	61	60
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	56	56	55
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	52	52	50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	48	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	45	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	42	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22472	22472	22472
5°	22336	22114	21998
10°	22299	21113	19923
15°	22209	19191	16090
20°	22076	16330	11404
25°	21879	12877	6890
30°	21613	9293	3541
35°	21223	6076	1769
40°	20719	3649	1032
45°	19858	2179	772
50°	18730	1425	648
55°	16952	1081	566
60°	14568	921	516
65°	11718	840	487
70°	8828	900	484
75°	6493	855	498
80°	4750	852	546
85°	3559	1034	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1281.8	8.4
10°-20°	3188.8	20.9
20°-30°	3532.0	23.2
30°-40°	2829.8	18.6
40°-50°	2020.1	13.3
50°-60°	1297.5	8.5
60°-70°	703.2	4.6
70°-80°	300.5	2.0
80°-90°	83.4	0.5
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°	8002.5	52.5
0°-40°	10832.3	71.1
0°-60°	14149.9	92.9
0°-90°	15237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13918	13918	13918	13918	13918	
5°	13782	13833	13644	13601	13573	###
15°	13287	12871	11481	10146	9626	3749
25°	12281	10829	7228	4709	3868	5658
35°	10767	7788	3082	1243	897	6732
45°	8697	4496	954	406	338	6704
55°	6022	2010	384	236	201	5367
65°	3067	825	220	152	128	3071
75°	1041	302	137	95	80	1157
85°	192	80	56	46	38	235
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13917.9	13917.9	13917.9	13917.9	13917.9
2.5°	13826.3	13912.8	13819.6	13877.5	13936.9
5°	13781.5	13832.9	13644.4	13601.2	13572.6
7.5°	13703.8	13689.2	13335.1	13105.7	12994.9
10°	13601.2	13482.4	12877.7	12373.3	12152.0
12.5°	13454.6	13209.8	12258.2	11372.7	10997.4
15°	13286.7	12871.1	11481.2	10146.3	9625.8
17.5°	13085.8	12475.2	10552.4	8831.2	8144.3
20°	12848.3	11997.3	9504.2	7434.0	6637.1
22.5°	12583.0	11446.0	8381.8	6041.1	5186.4
25°	12281.0	10828.8	7228.0	4709.2	3867.6
27.5°	11954.8	10143.4	6080.8	3518.7	2751.1
30°	11592.6	9401.5	4984.8	2537.2	1899.4
32.5°	11197.5	8612.8	3966.6	1784.3	1299.0
35°	10767.2	7788.1	3082.5	1243.2	897.3
37.5°	10326.6	6946.5	2328.2	878.9	643.6
40°	9830.3	6107.8	1731.5	643.6	489.7
42.5°	9297.4	5285.4	1281.4	495.5	396.6
45°	8697.0	4495.8	954.5	406.1	338.0
47.5°	8115.0	3759.9	725.0	346.0	293.9
50°	7456.7	3095.7	567.4	302.0	258.0
52.5°	6758.1	2511.5	460.3	266.1	227.2
55°	6022.1	2010.0	384.1	236.0	200.9
57.5°	5276.6	1592.2	328.4	210.4	178.9
60°	4511.3	1273.3	285.2	188.4	159.8
62.5°	3764.3	1018.2	249.2	169.3	143.0
65°	3067.1	825.4	219.9	151.8	127.5
67.5°	2422.7	652.4	205.3	136.3	115.1
70°	1870.0	508.0	190.6	121.7	102.6
72.5°	1417.0	390.0	168.6	108.5	90.9
75°	1040.9	302.0	137.1	95.3	79.9
77.5°	744.8	232.4	111.4	82.8	68.9
80°	510.9	173.0	91.6	71.1	58.7
82.5°	332.1	122.5	74.0	58.7	48.3
85°	192.1	79.9	55.8	46.2	38.1
87.5°	82.8	44.0	38.1	34.5	29.3
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)