

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: P730456

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730456
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-LD5-15SE-N-CLI-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15063.0 lumens
Efficiency: N/A
Efficacy: 160.2 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

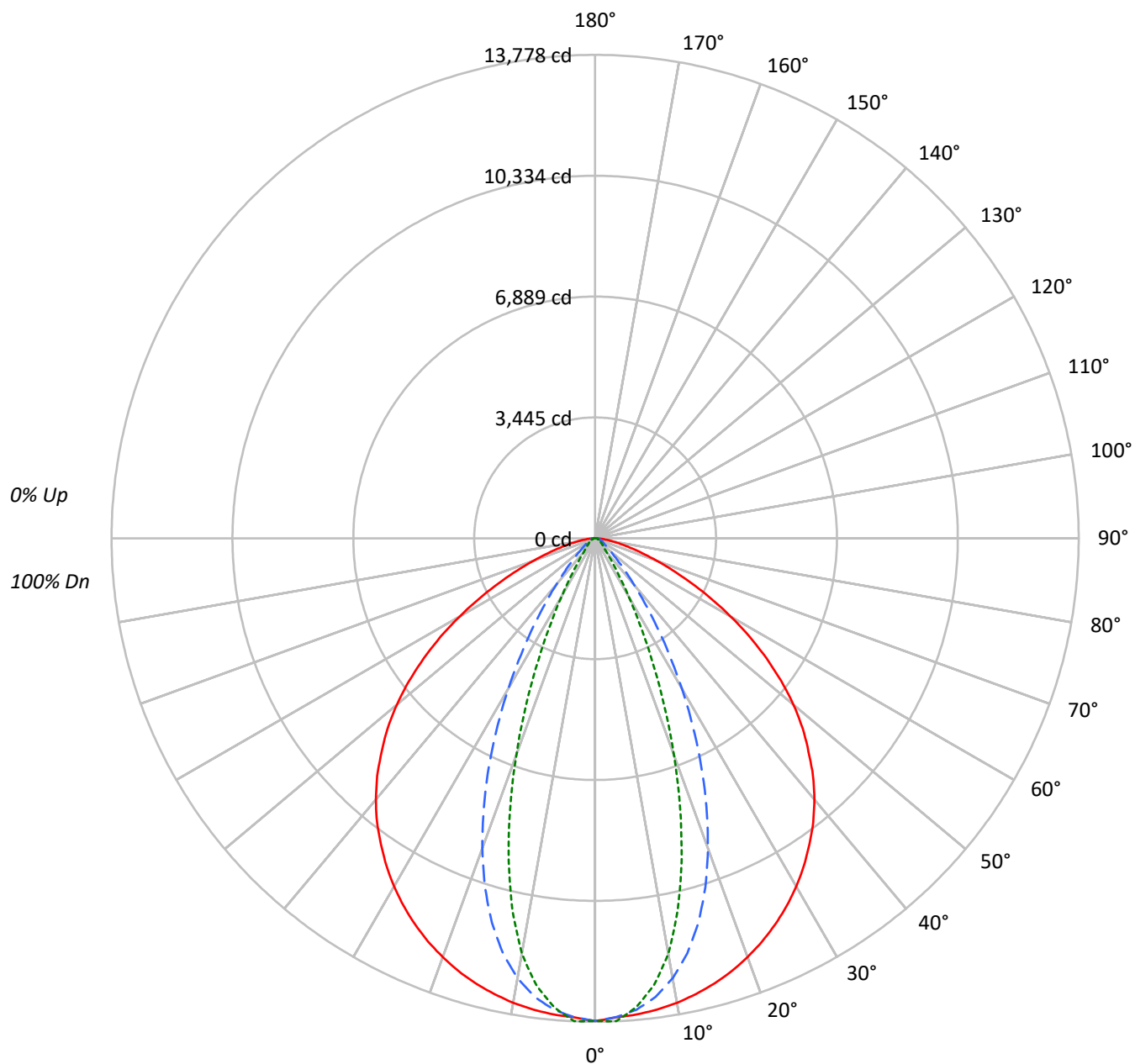
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22215	22215	22215
5°	22081	21862	21747
10°	22044	20872	19696
15°	21956	18972	15906
20°	21824	16144	11274
25°	21629	12730	6812
30°	21366	9187	3501
35°	20980	6006	1748
40°	20483	3608	1020
45°	19632	2155	763
50°	18516	1409	641
55°	16758	1069	559
60°	14401	910	510
65°	11584	831	482
70°	8727	889	479
75°	6419	845	493
80°	4696	842	539
85°	3518	1021	698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1267.1	8.4
10°-20°	3152.3	20.9
20°-30°	3491.7	23.2
30°-40°	2797.5	18.6
40°-50°	1997.0	13.3
50°-60°	1282.7	8.5
60°-70°	695.1	4.6
70°-80°	297.1	2.0
80°-90°	82.4	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°	7911.1	52.5
0°-40°	10708.6	71.1
0°-60°	13988.3	92.9
0°-90°	15063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13759	13759	13759	13759	13759	
5°	13624	13675	13489	13446	13418	###
15°	13135	12724	11350	10030	9516	3706
25°	12141	10705	7146	4655	3824	5593
35°	10644	7699	3047	1229	887	6655
45°	8598	4444	944	402	334	6627
55°	5953	1987	380	233	199	5306
65°	3032	816	217	150	126	3036
75°	1029	299	136	94	79	1143
85°	190	79	55	46	38	232
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13758.9	13758.9	13758.9	13758.9	13758.9
2.5°	13668.4	13753.9	13661.8	13719.1	13777.8
5°	13624.2	13674.9	13488.6	13445.9	13417.7
7.5°	13547.3	13532.8	13182.9	12956.0	12846.5
10°	13445.9	13328.5	12730.6	12232.1	12013.2
12.5°	13300.9	13058.9	12118.2	11242.8	10871.8
15°	13135.0	12724.1	11350.1	10030.5	9515.9
17.5°	12936.4	12332.8	10431.9	8730.4	8051.3
20°	12701.6	11860.3	9395.6	7349.1	6561.3
22.5°	12439.3	11315.3	8286.1	5972.1	5127.2
25°	12140.7	10705.1	7145.5	4655.4	3823.5
27.5°	11818.3	10027.6	6011.3	3478.5	2719.7
30°	11460.2	9294.2	4927.9	2508.2	1877.7
32.5°	11069.6	8514.4	3921.3	1763.9	1284.2
35°	10644.3	7699.1	3047.3	1229.1	887.0
37.5°	10208.7	6867.2	2301.6	868.9	636.3
40°	9718.1	6038.1	1711.7	636.3	484.1
42.5°	9191.2	5225.0	1266.8	489.9	392.0
45°	8597.7	4444.5	943.6	401.5	334.1
47.5°	8022.3	3717.0	716.7	342.0	290.6
50°	7371.6	3060.4	560.9	298.6	255.1
52.5°	6680.9	2482.8	455.1	263.1	224.6
55°	5953.3	1987.1	379.7	233.3	198.6
57.5°	5216.3	1574.0	324.7	208.0	176.9
60°	4459.7	1258.8	281.9	186.2	157.9
62.5°	3721.3	1006.6	246.4	167.4	141.3
65°	3032.1	816.0	217.4	150.0	126.1
67.5°	2395.1	645.0	202.9	134.8	113.8
70°	1848.6	502.2	188.4	120.3	101.5
72.5°	1400.8	385.6	166.7	107.3	89.9
75°	1029.0	298.6	135.5	94.2	79.0
77.5°	736.3	229.8	110.2	81.9	68.1
80°	505.1	171.1	90.6	70.3	58.0
82.5°	328.3	121.1	73.2	58.0	47.8
85°	189.9	79.0	55.1	45.7	37.7
87.5°	81.9	43.5	37.7	34.1	29.0
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)