

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: P730462

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16280.0 lumens
Efficiency: N/A
Efficacy: 173.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

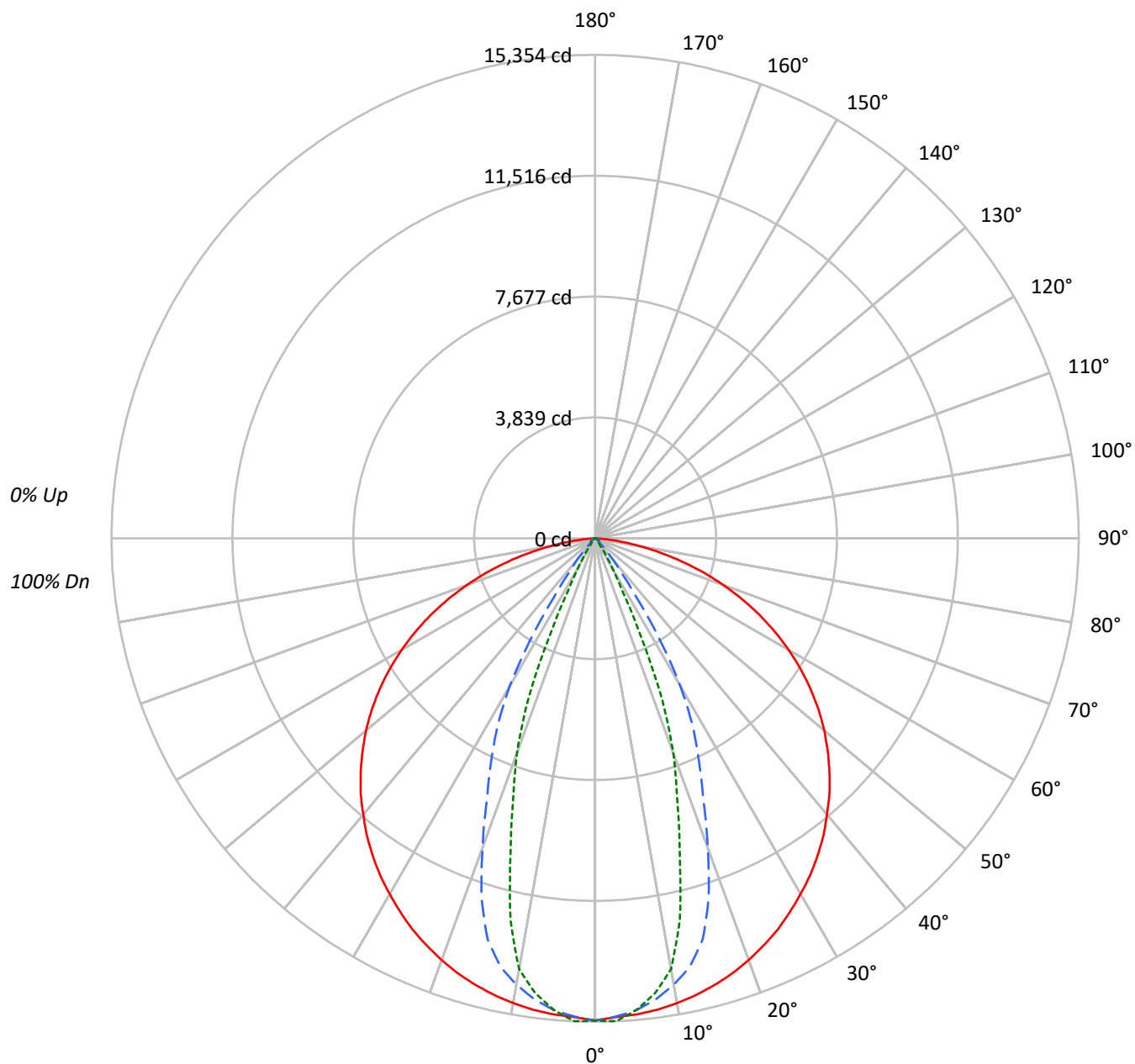
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	98	93	89		102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	90	84	79		96	88	83	78		86	81	77		83	79	76		81	77	74
4	92	82	76	70		90	81	75	70		79	73	69		77	72	68		75	71	67
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	58		79	70	63	58		68	62	58		66	61	57		65	60	57
7	76	66	58	54		75	65	58	53		63	57	53		62	57	53		61	56	52
8	72	61	54	49		71	61	54	49		59	53	49		58	53	49		57	52	49
9	68	57	51	46		67	57	50	46		56	50	46		55	49	46		54	49	45
10	65	54	47	43		64	53	47	43		53	47	43		52	46	43		51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24731	24731	24731
5°	24598	24381	24370
10°	24583	23600	22772
15°	24548	22048	17331
20°	24491	17973	12475
25°	24429	13897	6145
30°	24321	10100	1993
35°	24263	4481	513
40°	24136	1820	345
45°	24028	511	368
50°	23841	362	408
55°	23497	431	175
60°	22917	480	106
65°	21975	306	125
70°	20415	272	155
75°	17859	205	213
80°	13353	251	305
85°	6614	324	404



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1421.4	8.7
10°-20°	3554.3	21.8
20°-30°	3849.9	23.6
30°-40°	2851.0	17.5
40°-50°	2053.4	12.6
50°-60°	1271.5	7.8
60°-70°	781.9	4.8
70°-80°	412.2	2.5
80°-90°	84.4	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°	8825.6	54.2
0°-40°	11676.6	71.7
0°-60°	15001.5	92.1
0°-90°	16280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15317	15317	15317	15317	15317	
5°	15177	15233	15043	15054	15036	###
15°	14686	14345	13190	11217	10368	4146
25°	13712	12560	7801	4908	3449	6318
35°	12310	8678	2273	535	260	7701
45°	10523	4889	224	162	161	8115
55°	8347	1007	153	138	62	7452
65°	5752	106	80	51	33	5675
75°	2863	25	33	43	34	3024
85°	357	10	18	26	22	539
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15317.0	15317.0	15317.0	15317.0	15317.0
2.5°	15218.6	15315.5	15201.1	15286.4	15354.1
5°	15177.1	15233.2	15043.0	15053.9	15036.4
7.5°	15104.2	15091.1	14771.2	14631.3	14570.1
10°	14994.2	14907.5	14394.5	14102.3	13889.6
12.5°	14852.1	14658.3	13924.5	12995.5	12418.4
15°	14685.9	14345.0	13190.0	11216.9	10368.0
17.5°	14487.7	14004.7	11989.2	9401.0	8643.3
20°	14253.8	13625.0	10460.5	7998.4	7260.3
22.5°	13993.0	13163.1	8975.6	6647.5	5594.6
25°	13712.5	12560.5	7800.9	4907.5	3449.4
27.5°	13388.2	11785.9	6699.2	2890.6	1760.4
30°	13045.1	10853.2	5417.5	1554.9	1069.0
32.5°	12698.9	9796.0	3833.4	971.3	606.2
35°	12309.9	8678.2	2273.4	534.8	260.2
37.5°	11903.9	7653.8	1343.6	243.4	166.9
40°	11451.5	6717.5	863.4	161.7	163.9
42.5°	11014.3	5844.5	486.0	159.5	162.5
45°	10523.1	4889.2	223.7	161.7	161.0
47.5°	10015.3	3899.0	145.0	163.2	163.2
50°	9491.4	2787.9	144.3	166.9	162.5
52.5°	8938.4	1739.3	150.1	166.2	133.4
55°	8347.4	1007.0	153.0	138.4	62.0
57.5°	7735.4	593.8	154.5	79.4	35.0
60°	7097.0	328.6	148.6	59.0	32.8
62.5°	6439.1	156.7	117.3	55.4	32.0
65°	5751.9	106.4	80.1	51.0	32.8
67.5°	5038.6	82.3	63.4	48.1	33.5
70°	4324.5	61.2	57.6	48.1	32.8
72.5°	3598.8	41.5	48.1	48.8	32.8
75°	2862.8	24.8	32.8	43.0	34.2
77.5°	2133.5	15.3	25.5	44.4	41.5
80°	1436.1	13.1	27.0	41.5	32.8
82.5°	843.1	11.7	26.3	32.0	26.3
85°	357.0	9.5	17.5	26.3	21.8
87.5°	67.0	8.0	13.9	21.1	18.9
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)