

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: P730372

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730372
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-LD5-15HE-N-CL-UNV-L750
Description: 15000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15425.0 lumens
Efficiency: N/A
Efficacy: 169.1 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

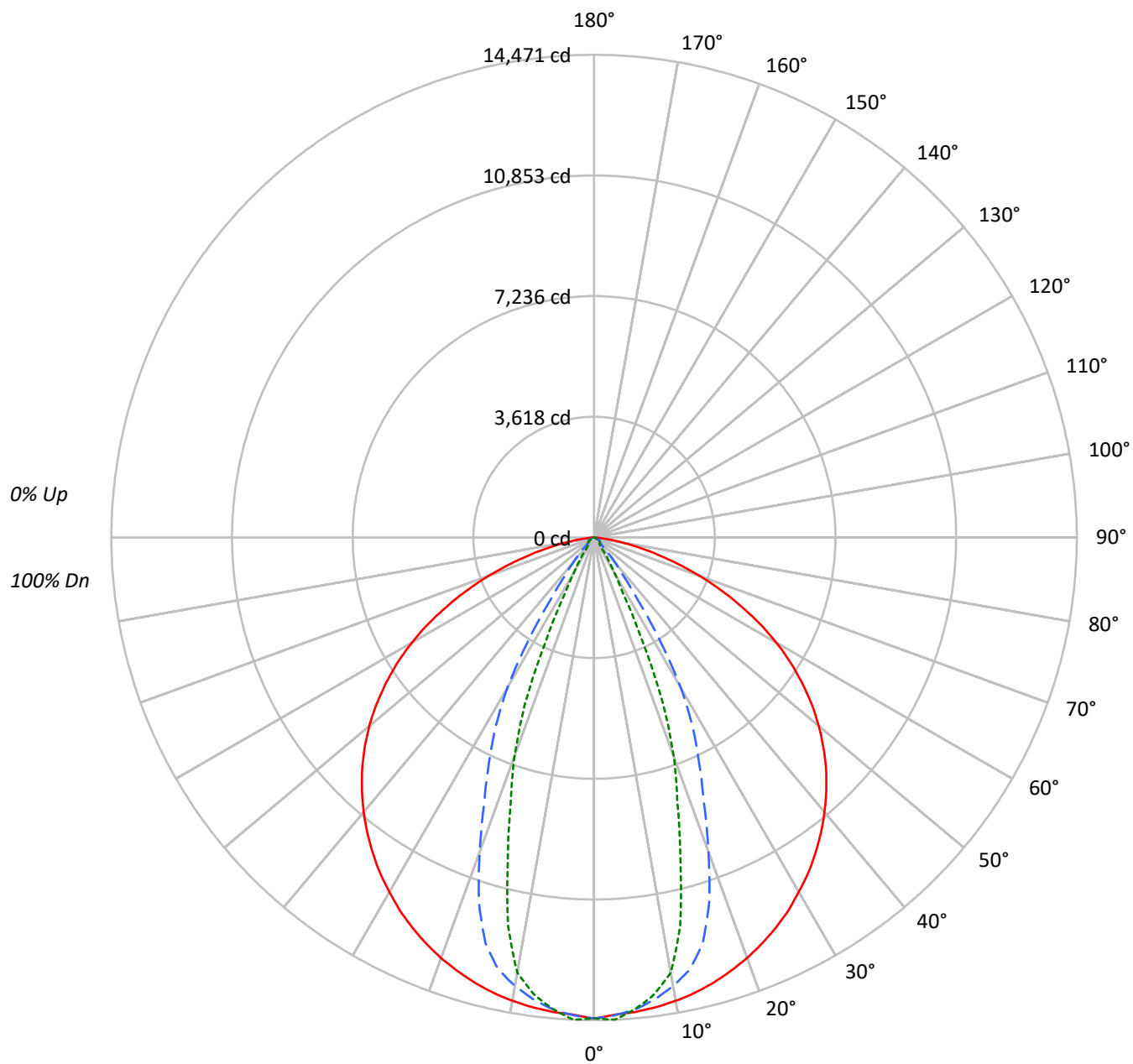
Input Watts (W): 91.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	109	105	103		109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		83	79	76		81	78	75
4	92	83	76	71		90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64		85	75	69	64		73	68	63		72	67	63		70	66	62
6	81	71	64	59		80	70	63	58		68	62	58		67	62	58		65	61	57
7	77	66	59	54		75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43		64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23287	23287	23287
5°	23144	23023	23006
10°	23128	22386	21726
15°	23102	21051	16705
20°	23057	17227	11982
25°	22984	13273	6089
30°	22876	9687	2215
35°	22794	4448	771
40°	22654	2019	532
45°	22452	753	539
50°	22094	547	567
55°	21440	575	432
60°	20374	615	381
65°	18477	468	310
70°	15842	338	286
75°	12109	299	272
80°	7576	282	296
85°	2393	328	396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1342.7	8.7
10°-20°	3382.5	21.9
20°-30°	3683.7	23.9
30°-40°	2755.6	17.9
40°-50°	1981.3	12.8
50°-60°	1216.8	7.9
60°-70°	700.2	4.5
70°-80°	312.5	2.0
80°-90°	49.6	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°	8409.0	54.5
0°-40°	11164.5	72.4
0°-60°	14362.7	93.1
0°-90°	15425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14423	14423	14423	14423	14423	
5°	14280	14347	14205	14218	14195	###
15°	13820	13556	12594	10816	9994	3901
25°	12902	11976	7450	4780	3418	5947
35°	11564	8294	2257	664	391	7234
45°	9833	4660	330	244	236	7575
55°	7617	968	204	198	154	6791
65°	4836	106	122	102	81	4787
75°	1941	64	48	49	44	2106
85°	129	12	18	23	21	257
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14422.7	14422.7	14422.7	14422.7	14422.7
2.5°	14322.4	14416.1	14337.2	14408.0	14470.7
5°	14279.6	14346.8	14205.1	14218.3	14194.7
7.5°	14205.8	14222.0	13966.0	13867.0	13819.0
10°	14106.9	14063.4	13654.5	13419.1	13251.5
12.5°	13982.2	13838.3	13267.0	12426.4	11925.3
15°	13820.5	13555.6	12593.9	10816.0	9993.8
17.5°	13627.9	13260.4	11479.5	9014.4	8303.0
20°	13419.1	12934.2	10026.2	7664.6	6973.7
22.5°	13172.6	12517.2	8593.0	6374.4	5426.1
25°	12901.7	11976.2	7450.5	4780.3	3417.9
27.5°	12609.4	11262.5	6392.9	2931.5	1848.1
30°	12269.9	10393.8	5195.8	1645.1	1188.2
32.5°	11938.5	9381.2	3711.6	1096.0	759.4
35°	11564.3	8294.1	2256.9	663.5	391.1
37.5°	11168.0	7305.8	1412.6	360.9	270.1
40°	10748.1	6368.5	958.0	256.1	252.4
42.5°	10299.3	5520.5	600.0	243.5	251.6
45°	9832.9	4660.0	329.9	244.3	236.2
47.5°	9326.6	3725.7	230.3	231.0	230.3
50°	8796.0	2672.4	217.8	228.1	225.9
52.5°	8224.0	1659.1	218.5	222.9	200.0
55°	7616.6	968.3	204.4	197.8	153.5
57.5°	6978.1	603.7	200.0	163.1	138.0
60°	6309.5	318.9	190.4	146.9	118.1
62.5°	5597.3	157.2	152.7	125.5	96.7
65°	4836.4	106.3	122.5	101.8	81.2
67.5°	4101.3	95.9	92.3	83.4	70.9
70°	3355.9	87.8	71.6	73.1	60.5
72.5°	2624.5	79.7	57.5	62.7	50.9
75°	1941.0	64.2	48.0	49.4	43.6
77.5°	1350.6	50.2	37.7	42.1	40.6
80°	814.8	31.8	30.3	34.7	31.8
82.5°	394.8	20.7	23.6	27.3	25.1
85°	129.2	12.5	17.7	22.9	21.4
87.5°	16.2	7.4	14.7	19.9	18.4
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)