

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: P730298

Luminaire Tested: **HBLED-LD5-12SE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730298
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-LD5-12SE-N-CL-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11202.1 lumens
Efficiency: N/A
Efficacy: 149.4 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

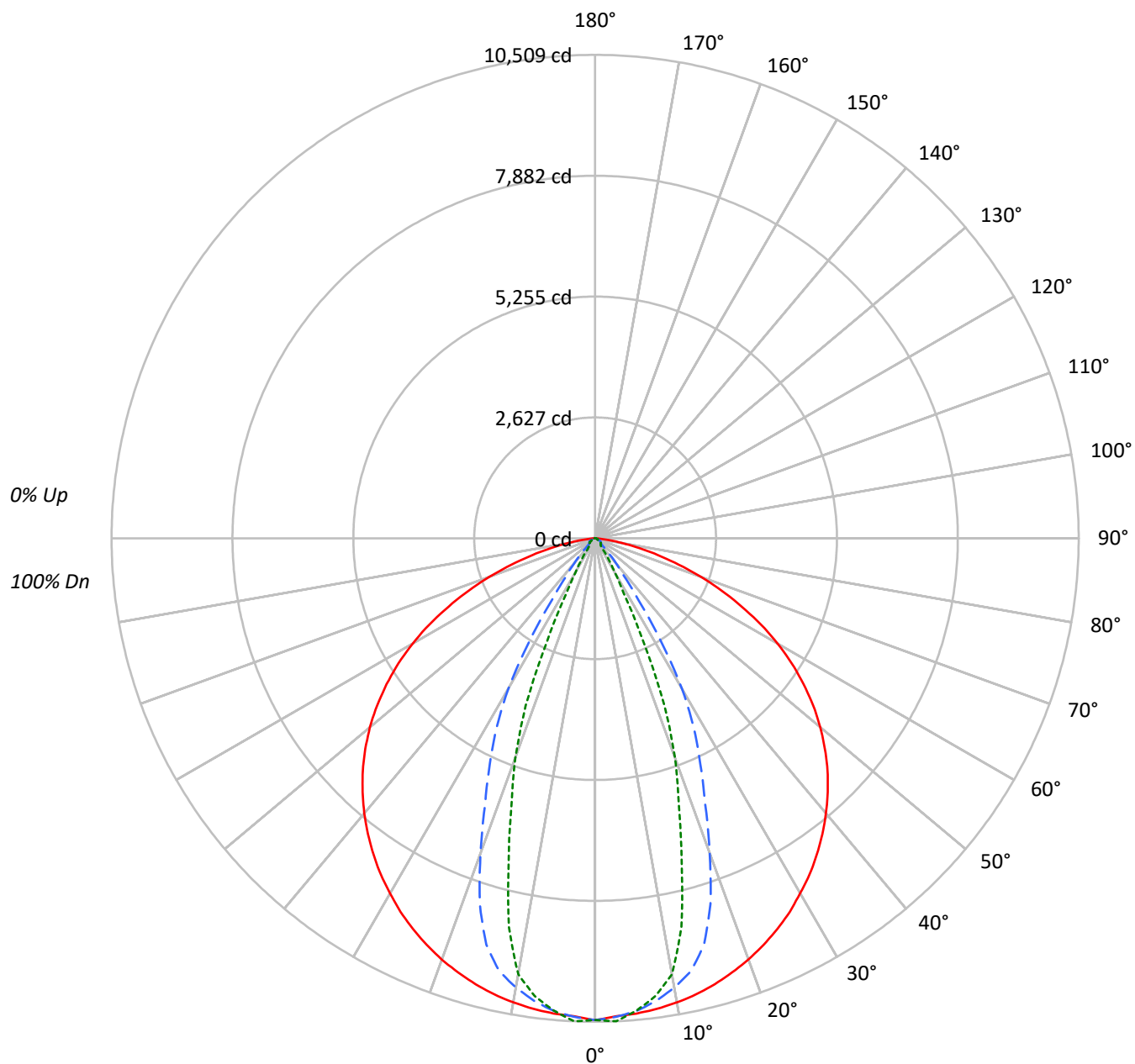
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16911	16911	16911
5°	16808	16720	16708
10°	16796	16258	15778
15°	16777	15288	12132
20°	16744	12511	8702
25°	16692	9639	4422
30°	16613	7035	1609
35°	16553	3231	560
40°	16452	1466	386
45°	16305	547	392
50°	16045	397	412
55°	15570	418	314
60°	14796	447	277
65°	13419	340	225
70°	11505	245	208
75°	8793	218	197
80°	5502	205	215
85°	1738	239	289



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	975.1	8.7
10°-20°	2456.5	21.9
20°-30°	2675.2	23.9
30°-40°	2001.2	17.9
40°-50°	1438.9	12.8
50°-60°	883.7	7.9
60°-70°	508.5	4.5
70°-80°	227.0	2.0
80°-90°	36.0	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°	6106.8	54.5
0°-40°	8108.0	72.4
0°-60°	10430.6	93.1
0°-90°	11202.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11202.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10474	10474	10474	10474	10474	
5°	10370	10419	10316	10326	10309	986
15°	10037	9844	9146	7855	7258	2833
25°	9370	8697	5411	3472	2482	4319
35°	8398	6023	1639	482	284	5253
45°	7141	3384	240	177	172	5501
55°	5531	703	148	144	112	4932
65°	3512	77	89	74	59	3477
75°	1410	47	35	36	32	1530
85°	94	9	13	17	16	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10474.1	10474.1	10474.1	10474.1	10474.1
2.5°	10401.3	10469.3	10412.0	10463.4	10509.0
5°	10370.2	10419.0	10316.1	10325.7	10308.6
7.5°	10316.6	10328.4	10142.4	10070.6	10035.7
10°	10244.7	10213.1	9916.2	9745.3	9623.6
12.5°	10154.2	10049.7	9634.8	9024.3	8660.4
15°	10036.8	9844.4	9146.0	7854.8	7257.7
17.5°	9896.9	9630.0	8336.6	6546.5	6029.8
20°	9745.3	9393.1	7281.3	5566.2	5064.5
22.5°	9566.2	9090.3	6240.4	4629.3	3940.6
25°	9369.5	8697.4	5410.7	3471.6	2482.2
27.5°	9157.3	8179.1	4642.7	2128.9	1342.1
30°	8910.7	7548.2	3773.3	1194.7	862.9
32.5°	8670.0	6812.9	2695.5	795.9	551.5
35°	8398.3	6023.4	1639.0	481.9	284.1
37.5°	8110.5	5305.7	1025.9	262.1	196.1
40°	7805.5	4625.0	695.7	186.0	183.3
42.5°	7479.6	4009.1	435.7	176.9	182.8
45°	7140.9	3384.2	239.6	177.4	171.5
47.5°	6773.2	2705.7	167.2	167.8	167.2
50°	6387.9	1940.8	158.1	165.6	164.0
52.5°	5972.5	1204.9	158.7	161.9	145.3
55°	5531.3	703.2	148.5	143.7	111.5
57.5°	5067.7	438.4	145.3	118.5	100.2
60°	4582.1	231.6	138.3	106.7	85.7
62.5°	4064.9	114.2	110.9	91.1	70.2
65°	3512.3	77.2	89.0	73.9	59.0
67.5°	2978.4	69.7	67.0	60.6	51.5
70°	2437.1	63.8	52.0	53.1	44.0
72.5°	1906.0	57.9	41.8	45.6	37.0
75°	1409.6	46.6	34.9	35.9	31.6
77.5°	980.8	36.5	27.4	30.6	29.5
80°	591.7	23.1	22.0	25.2	23.1
82.5°	286.7	15.0	17.2	19.8	18.2
85°	93.8	9.1	12.9	16.6	15.6
87.5°	11.8	5.4	10.7	14.5	13.4
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)