

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: P730301

Luminaire Tested: **HBLED-LD5-12SE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730301
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-L835
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: 10708.0 lumens
Efficiency: N/A
Efficacy: 142.8 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

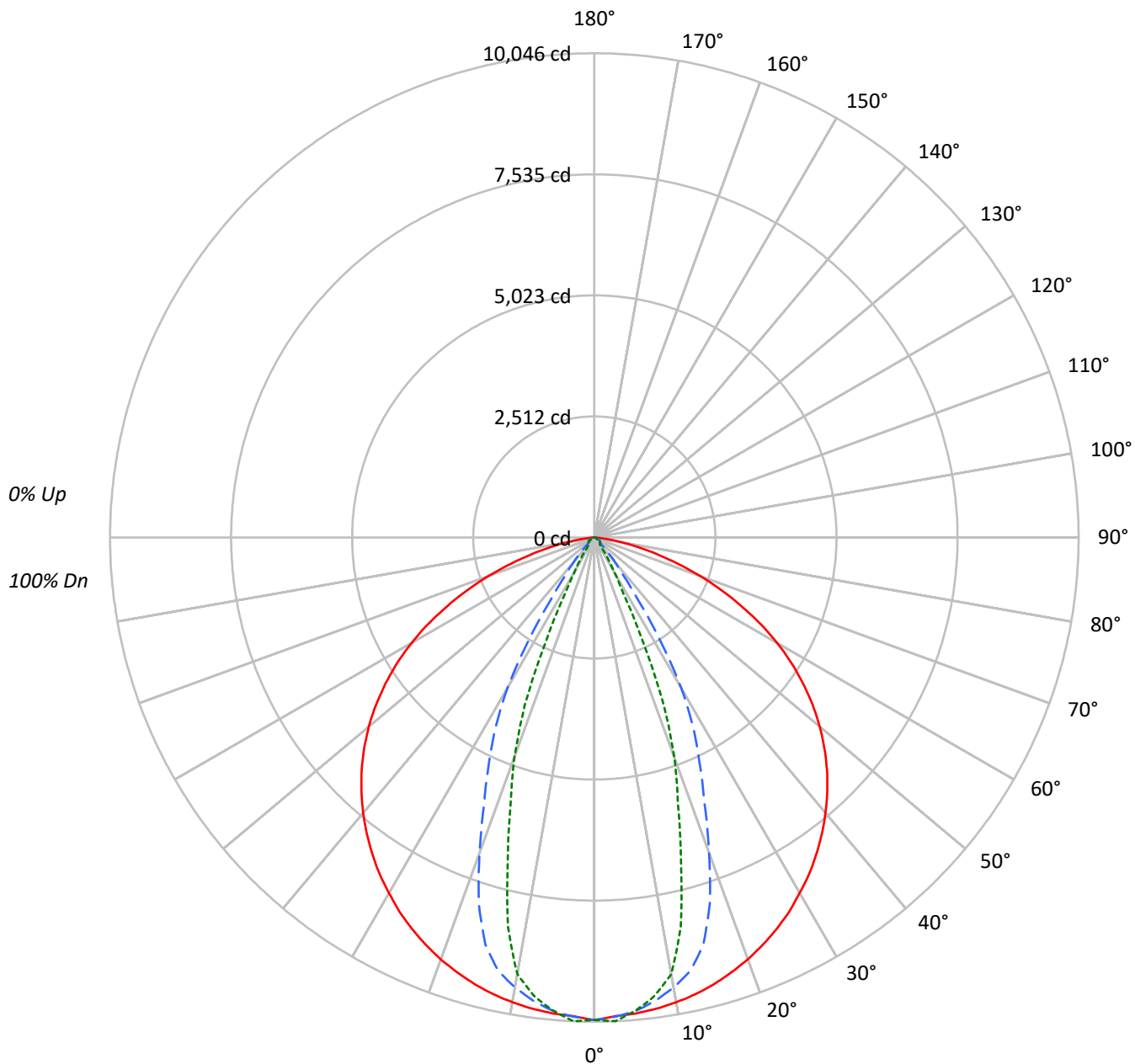
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16166	16166	16166
5°	16066	15982	15971
10°	16056	15541	15082
15°	16037	14614	11597
20°	16006	11959	8318
25°	15956	9214	4227
30°	15880	6725	1538
35°	15823	3088	535
40°	15726	1402	369
45°	15586	523	374
50°	15338	380	394
55°	14884	399	300
60°	14144	427	265
65°	12827	325	215
70°	10997	235	198
75°	8406	208	189
80°	5260	195	205
85°	1662	228	276



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	932.1	8.7
10°-20°	2348.1	21.9
20°-30°	2557.2	23.9
30°-40°	1912.9	17.9
40°-50°	1375.4	12.8
50°-60°	844.7	7.9
60°-70°	486.1	4.5
70°-80°	216.9	2.0
80°-90°	34.4	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°	5837.5	54.5
0°-40°	7750.4	72.4
0°-60°	9970.6	93.1
0°-90°	10708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10012	10012	10012	10012	10012	
5°	9913	9960	9861	9870	9854	943
15°	9594	9410	8743	7508	6938	2708
25°	8956	8314	5172	3318	2373	4129
35°	8028	5758	1567	461	272	5022
45°	6826	3235	229	170	164	5259
55°	5287	672	142	137	107	4714
65°	3357	74	85	71	56	3323
75°	1348	45	33	34	30	1462
85°	90	9	12	16	15	179
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10012.2	10012.2	10012.2	10012.2	10012.2
2.5°	9942.6	10007.6	9952.8	10002.0	10045.6
5°	9912.9	9959.5	9861.1	9870.3	9854.0
7.5°	9861.6	9872.9	9695.1	9626.5	9593.2
10°	9793.0	9762.8	9478.9	9315.5	9199.2
12.5°	9706.4	9606.5	9209.9	8626.4	8278.5
15°	9594.2	9410.3	8742.7	7508.4	6937.7
17.5°	9460.5	9205.3	7969.0	6257.8	5763.9
20°	9315.5	8978.9	6960.2	5320.7	4841.1
22.5°	9144.4	8689.4	5965.2	4425.1	3766.8
25°	8956.3	8313.8	5172.1	3318.5	2372.7
27.5°	8753.4	7818.4	4437.9	2035.0	1282.9
30°	8517.8	7215.4	3606.9	1142.0	824.9
32.5°	8287.7	6512.4	2576.6	760.8	527.2
35°	8027.9	5757.8	1566.8	460.6	271.5
37.5°	7752.8	5071.7	980.6	250.5	187.5
40°	7461.3	4421.0	665.0	177.8	175.2
42.5°	7149.8	3832.3	416.5	169.1	174.7
45°	6826.0	3234.9	229.0	169.6	164.0
47.5°	6474.5	2586.3	159.9	160.4	159.9
50°	6106.2	1855.2	151.2	158.3	156.8
52.5°	5709.1	1151.8	151.7	154.7	138.9
55°	5287.4	672.2	141.9	137.3	106.6
57.5°	4844.2	419.1	138.9	113.2	95.8
60°	4380.0	221.4	132.2	102.0	82.0
62.5°	3885.6	109.1	106.0	87.1	67.1
65°	3357.4	73.8	85.1	70.7	56.4
67.5°	2847.1	66.6	64.1	57.9	49.2
70°	2329.6	60.9	49.7	50.7	42.0
72.5°	1821.9	55.3	39.9	43.5	35.3
75°	1347.5	44.6	33.3	34.3	30.3
77.5°	937.6	34.8	26.1	29.2	28.2
80°	565.7	22.0	21.0	24.1	22.0
82.5°	274.1	14.3	16.4	18.9	17.4
85°	89.7	8.7	12.3	15.9	14.9
87.5°	11.3	5.1	10.2	13.8	12.8
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)