

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: P730344

Luminaire Tested: **HBLED-LD5-12SE-W-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CL-WG-UNV-L840
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10834.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

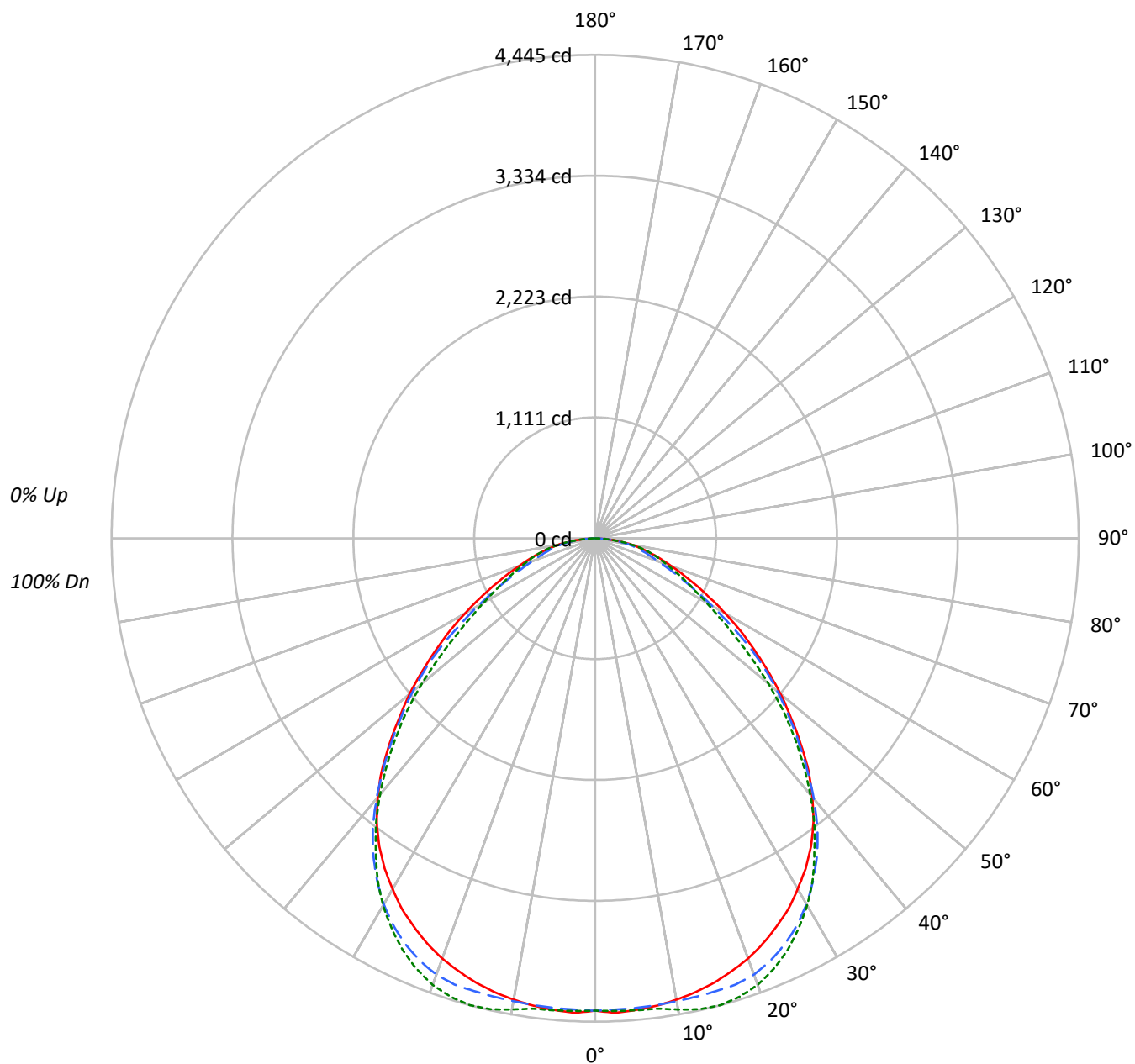
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	102	98	107	103	100	96		99	96	93		95	93	91		92	90	88
2	101	93	87	82	98	91	86	81		88	83	79		85	81	77		82	78	75
3	92	83	75	69	90	81	74	68		78	72	67		76	70	66		73	69	65
4	85	74	66	59	83	73	65	59		70	64	58		68	62	57		66	61	57
5	79	67	58	52	77	65	57	52		63	56	51		61	55	50		60	54	50
6	73	60	52	46	71	59	51	45		58	50	45		56	50	45		54	49	44
7	68	55	46	41	66	54	46	40		53	45	40		51	45	40		50	44	40
8	63	50	42	36	62	50	42	36		48	41	36		47	41	36		46	40	36
9	59	46	38	33	58	46	38	33		45	38	33		43	37	33		42	37	32
10	56	43	35	30	54	42	35	30		41	34	30		40	34	30		39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7014	7014	7014
5°	7055	7026	7061
10°	7062	7085	7212
15°	7070	7203	7430
20°	7066	7335	7507
25°	7022	7342	7450
30°	6942	7245	7267
35°	6818	7010	6926
40°	6549	6589	6485
45°	6102	6038	5915
50°	5587	5497	5215
55°	5018	4832	4409
60°	4450	3998	3806
65°	3921	3322	3454
70°	3507	2883	3290
75°	3285	2803	3328
80°	3199	2834	3167
85°	2553	2242	2325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	3.8
10°-20°	1218.9	11.3
20°-30°	1875.2	17.3
30°-40°	2188.4	20.2
40°-50°	2033.6	18.8
50°-60°	1507.4	13.9
60°-70°	921.5	8.5
70°-80°	524.9	4.8
80°-90°	150.1	1.4
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°	3507.9	32.4
0°-40°	5696.4	52.6
0°-60°	9237.5	85.3
0°-90°	10834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4344	4344	4344	4344	4344	
5°	4353	4333	4335	4332	4356	414
15°	4230	4228	4309	4394	4445	1194
25°	3942	3972	4121	4156	4182	1816
35°	3459	3486	3556	3527	3514	2155
45°	2672	2688	2644	2603	2591	2059
55°	1783	1738	1717	1594	1566	1600
65°	1026	932	870	893	904	1027
75°	527	494	449	512	533	564
85°	138	134	121	126	126	159
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4344.1	4344.1	4344.1	4344.1	4344.1
2.5°	4367.7	4343.0	4338.5	4328.4	4350.8
5°	4353.1	4332.9	4335.1	4331.8	4356.5
7.5°	4336.3	4321.7	4330.7	4329.5	4362.1
10°	4307.2	4299.3	4321.7	4346.4	4399.0
12.5°	4274.6	4266.8	4316.1	4378.8	4436.0
15°	4229.8	4227.6	4309.4	4394.5	4445.0
17.5°	4173.8	4177.2	4301.5	4374.4	4419.2
20°	4112.2	4117.8	4269.0	4328.4	4368.8
22.5°	4032.6	4051.7	4206.3	4255.6	4287.0
25°	3941.9	3972.1	4121.1	4155.9	4181.6
27.5°	3844.4	3874.6	4015.8	4033.7	4048.3
30°	3723.4	3765.9	3885.8	3888.1	3898.1
32.5°	3600.1	3638.2	3730.1	3720.0	3722.2
35°	3458.9	3485.8	3556.4	3527.3	3513.8
37.5°	3296.5	3311.0	3355.8	3312.2	3309.9
40°	3107.1	3126.2	3126.2	3065.7	3076.8
42.5°	2905.4	2912.1	2884.1	2827.0	2835.9
45°	2672.3	2688.0	2644.3	2602.9	2590.6
47.5°	2441.5	2457.2	2411.3	2363.1	2341.8
50°	2224.2	2216.3	2188.3	2106.5	2076.3
52.5°	1998.9	1974.3	1963.1	1843.2	1808.5
55°	1782.7	1737.9	1716.6	1594.4	1566.4
57.5°	1582.1	1501.5	1461.1	1365.9	1354.7
60°	1378.2	1287.4	1238.1	1176.5	1178.7
62.5°	1193.3	1098.1	1038.7	1020.8	1028.6
65°	1026.4	932.2	869.5	893.0	904.2
67.5°	875.1	797.8	727.2	782.1	793.3
70°	742.9	681.3	610.7	691.4	697.0
72.5°	633.1	582.7	523.3	599.4	611.8
75°	526.6	494.2	449.3	512.1	533.4
77.5°	433.6	407.9	382.1	420.2	443.7
80°	344.0	318.2	304.8	324.9	340.6
82.5°	243.1	226.4	212.9	227.5	235.3
85°	137.8	134.4	121.0	125.5	125.5
87.5°	31.4	35.8	40.3	37.0	31.4
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)