

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: P730345

Luminaire Tested: **HBLED-LD5-12SE-W-CL-WG-UNV-L850**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730345
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-L850
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: 11046.0 lumens
Efficiency: N/A
Efficacy: 147.3 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

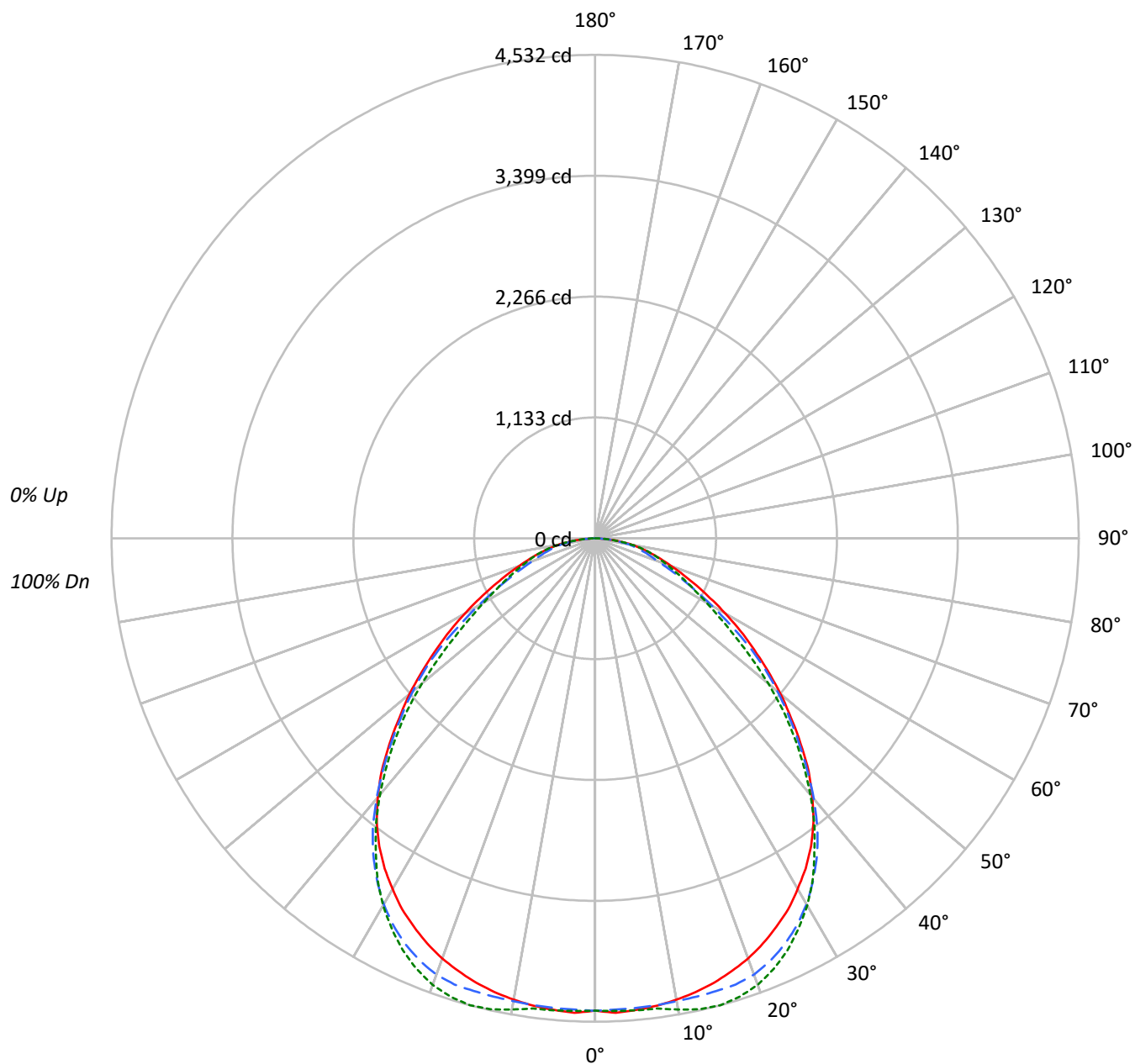
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7151	7151	7151
5°	7193	7164	7199
10°	7200	7224	7353
15°	7209	7344	7575
20°	7204	7479	7653
25°	7160	7486	7595
30°	7078	7386	7410
35°	6951	7147	7061
40°	6677	6718	6612
45°	6221	6156	6031
50°	5696	5604	5317
55°	5116	4927	4496
60°	4538	4077	3881
65°	3998	3387	3522
70°	3575	2939	3355
75°	3349	2858	3392
80°	3261	2889	3229
85°	2603	2286	2369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.9	3.8
10°-20°	1242.8	11.3
20°-30°	1911.9	17.3
30°-40°	2231.3	20.2
40°-50°	2073.5	18.8
50°-60°	1536.9	13.9
60°-70°	939.5	8.5
70°-80°	535.2	4.8
80°-90°	153.1	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°	3576.6	32.4
0°-40°	5807.9	52.6
0°-60°	9418.3	85.3
0°-90°	11046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4429	4429	4429	4429	4429	
5°	4438	4418	4420	4417	4442	422
15°	4313	4310	4394	4480	4532	1217
25°	4019	4050	4202	4237	4264	1851
35°	3527	3554	3626	3596	3583	2197
45°	2725	2741	2696	2654	2641	2099
55°	1818	1772	1750	1626	1597	1631
65°	1046	950	886	910	922	1047
75°	537	504	458	522	544	575
85°	140	137	123	128	128	162
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4429.1	4429.1	4429.1	4429.1	4429.1
2.5°	4453.1	4428.0	4423.4	4413.1	4436.0
5°	4438.3	4417.7	4420.0	4416.6	4441.7
7.5°	4421.1	4406.3	4415.4	4414.3	4447.4
10°	4391.4	4383.4	4406.3	4431.4	4485.1
12.5°	4358.3	4350.3	4400.6	4464.5	4522.8
15°	4312.6	4310.3	4393.7	4480.5	4532.0
17.5°	4255.5	4258.9	4385.7	4460.0	4505.7
20°	4192.7	4198.4	4352.6	4413.1	4454.3
22.5°	4111.5	4131.0	4288.6	4338.9	4370.9
25°	4019.0	4049.8	4201.8	4237.2	4263.5
27.5°	3919.6	3950.5	4094.4	4112.7	4127.5
30°	3796.2	3839.6	3961.9	3964.2	3974.4
32.5°	3670.6	3709.4	3803.1	3792.8	3795.1
35°	3526.6	3554.0	3626.0	3596.3	3582.6
37.5°	3361.0	3375.8	3421.5	3377.0	3374.7
40°	3167.9	3187.3	3187.3	3125.7	3137.1
42.5°	2962.3	2969.1	2940.6	2882.3	2891.4
45°	2724.6	2740.6	2696.1	2653.8	2641.3
47.5°	2489.3	2505.3	2458.5	2409.4	2387.7
50°	2267.7	2259.7	2231.2	2147.7	2116.9
52.5°	2038.1	2012.9	2001.5	1879.3	1843.9
55°	1817.6	1771.9	1750.2	1625.6	1597.1
57.5°	1613.1	1530.9	1489.7	1392.6	1381.2
60°	1405.2	1312.6	1262.4	1199.5	1201.8
62.5°	1216.7	1119.5	1059.0	1040.8	1048.7
65°	1046.5	950.5	886.5	910.5	921.9
67.5°	892.2	813.4	741.4	797.4	808.8
70°	757.4	694.6	622.6	704.9	710.6
72.5°	645.4	594.1	533.5	611.2	623.7
75°	536.9	503.8	458.1	522.1	543.8
77.5°	442.1	415.9	389.6	428.4	452.4
80°	350.7	324.5	310.7	331.3	347.3
82.5°	247.9	230.8	217.1	231.9	239.9
85°	140.5	137.1	123.4	127.9	127.9
87.5°	32.0	36.5	41.1	37.7	32.0
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)