

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: P730342

Luminaire Tested: **HBLED-LD5-12SE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730342
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-L750
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: 11623.0 lumens
Efficiency: N/A
Efficacy: 155.0 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

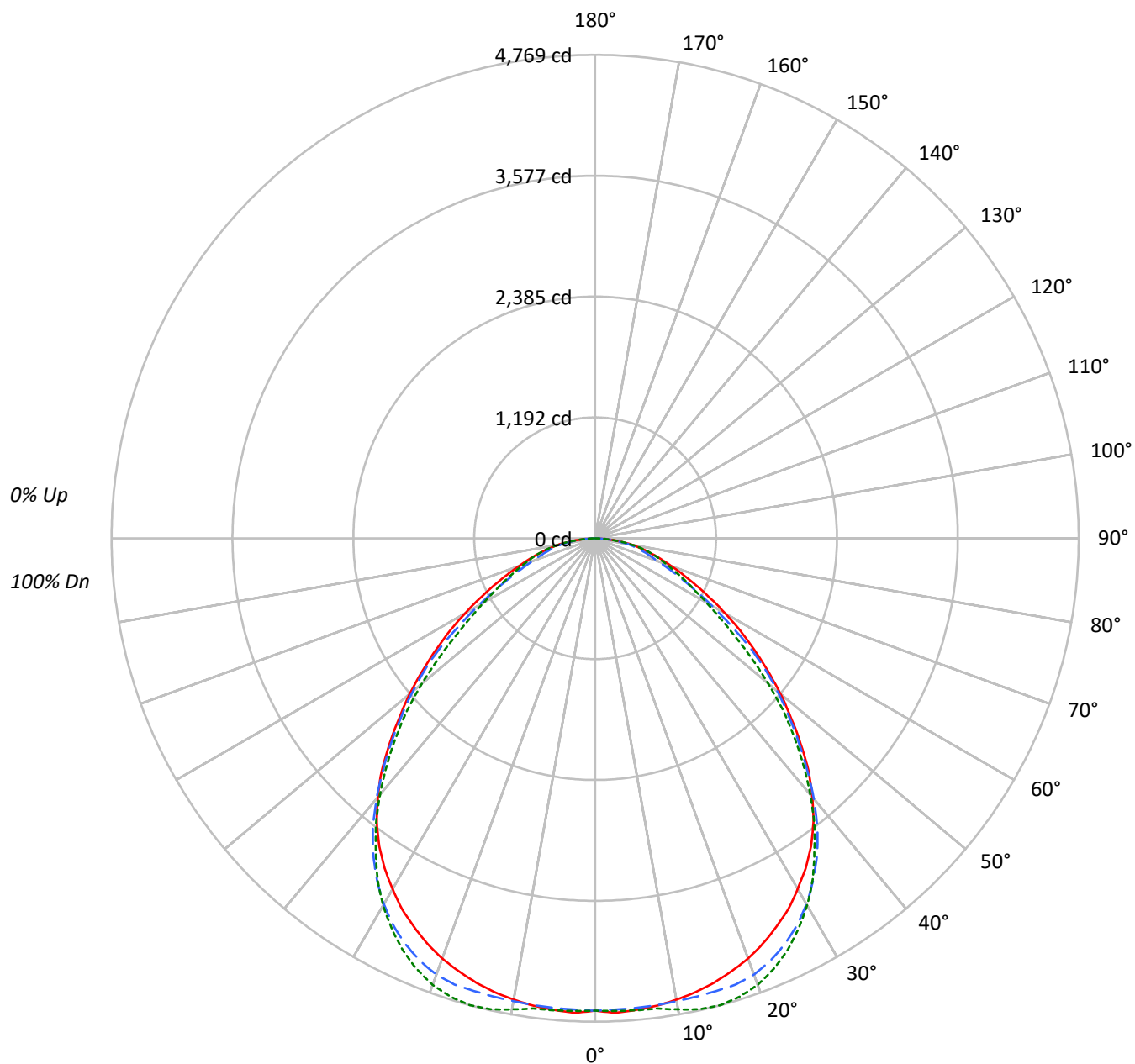
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7525	7525	7525
5°	7569	7538	7575
10°	7576	7602	7737
15°	7585	7728	7971
20°	7580	7869	8053
25°	7534	7877	7992
30°	7447	7772	7797
35°	7314	7520	7430
40°	7026	7069	6957
45°	6546	6478	6346
50°	5994	5897	5595
55°	5384	5184	4731
60°	4775	4289	4084
65°	4207	3564	3706
70°	3762	3093	3530
75°	3525	3007	3570
80°	3431	3040	3398
85°	2738	2405	2494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.0	3.8
10°-20°	1307.7	11.3
20°-30°	2011.8	17.3
30°-40°	2347.8	20.2
40°-50°	2181.8	18.8
50°-60°	1617.2	13.9
60°-70°	988.6	8.5
70°-80°	563.1	4.8
80°-90°	161.0	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°	3763.4	32.4
0°-40°	6111.3	52.6
0°-60°	9910.2	85.3
0°-90°	11623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4660	4660	4660	4660	4660	
5°	4670	4648	4651	4647	4674	444
15°	4538	4535	4623	4715	4769	1281
25°	4229	4261	4421	4459	4486	1948
35°	3711	3740	3815	3784	3770	2312
45°	2867	2884	2837	2792	2779	2209
55°	1912	1864	1842	1711	1680	1716
65°	1101	1000	933	958	970	1102
75°	565	530	482	549	572	605
85°	148	144	130	135	135	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4660.5	4660.5	4660.5	4660.5	4660.5
2.5°	4685.7	4659.3	4654.5	4643.7	4667.7
5°	4670.1	4648.5	4650.8	4647.3	4673.7
7.5°	4652.1	4636.5	4646.1	4644.8	4679.7
10°	4620.8	4612.4	4636.5	4662.9	4719.4
12.5°	4585.9	4577.6	4630.5	4697.7	4759.1
15°	4537.9	4535.4	4623.2	4714.6	4768.7
17.5°	4477.8	4481.4	4614.8	4693.0	4741.0
20°	4411.7	4417.7	4579.9	4643.7	4687.0
22.5°	4326.3	4346.8	4512.6	4565.5	4599.2
25°	4228.9	4261.4	4421.3	4458.6	4486.2
27.5°	4124.4	4156.8	4308.3	4327.5	4343.2
30°	3994.5	4040.2	4168.8	4171.3	4182.0
32.5°	3862.3	3903.2	4001.7	3990.9	3993.3
35°	3710.8	3739.7	3815.4	3784.2	3769.7
37.5°	3536.6	3552.2	3600.2	3553.4	3550.9
40°	3333.4	3353.8	3353.8	3288.9	3300.9
42.5°	3117.0	3124.2	3094.2	3032.9	3042.5
45°	2867.0	2883.8	2836.9	2792.4	2779.2
47.5°	2619.3	2636.2	2586.9	2535.2	2512.4
50°	2386.1	2377.7	2347.7	2259.9	2227.5
52.5°	2144.5	2118.1	2106.1	1977.5	1940.2
55°	1912.5	1864.4	1841.6	1710.6	1680.5
57.5°	1697.3	1610.8	1567.5	1465.4	1453.3
60°	1478.6	1381.2	1328.3	1262.2	1264.6
62.5°	1280.2	1178.0	1114.3	1095.1	1103.5
65°	1101.1	1000.1	932.8	958.1	970.1
67.5°	938.8	855.9	780.2	839.1	851.1
70°	797.0	730.9	655.2	741.7	747.7
72.5°	679.2	625.1	561.4	643.1	656.3
75°	565.0	530.1	482.0	549.4	572.2
77.5°	465.2	437.6	409.9	450.8	476.0
80°	369.0	341.4	327.0	348.6	365.4
82.5°	260.8	242.8	228.4	244.0	252.5
85°	147.8	144.2	129.8	134.6	134.6
87.5°	33.7	38.4	43.3	39.7	33.7
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)