

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: P730322

Luminaire Tested: **HBLED-LD5-12SE-W-A-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-A-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10917.0 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

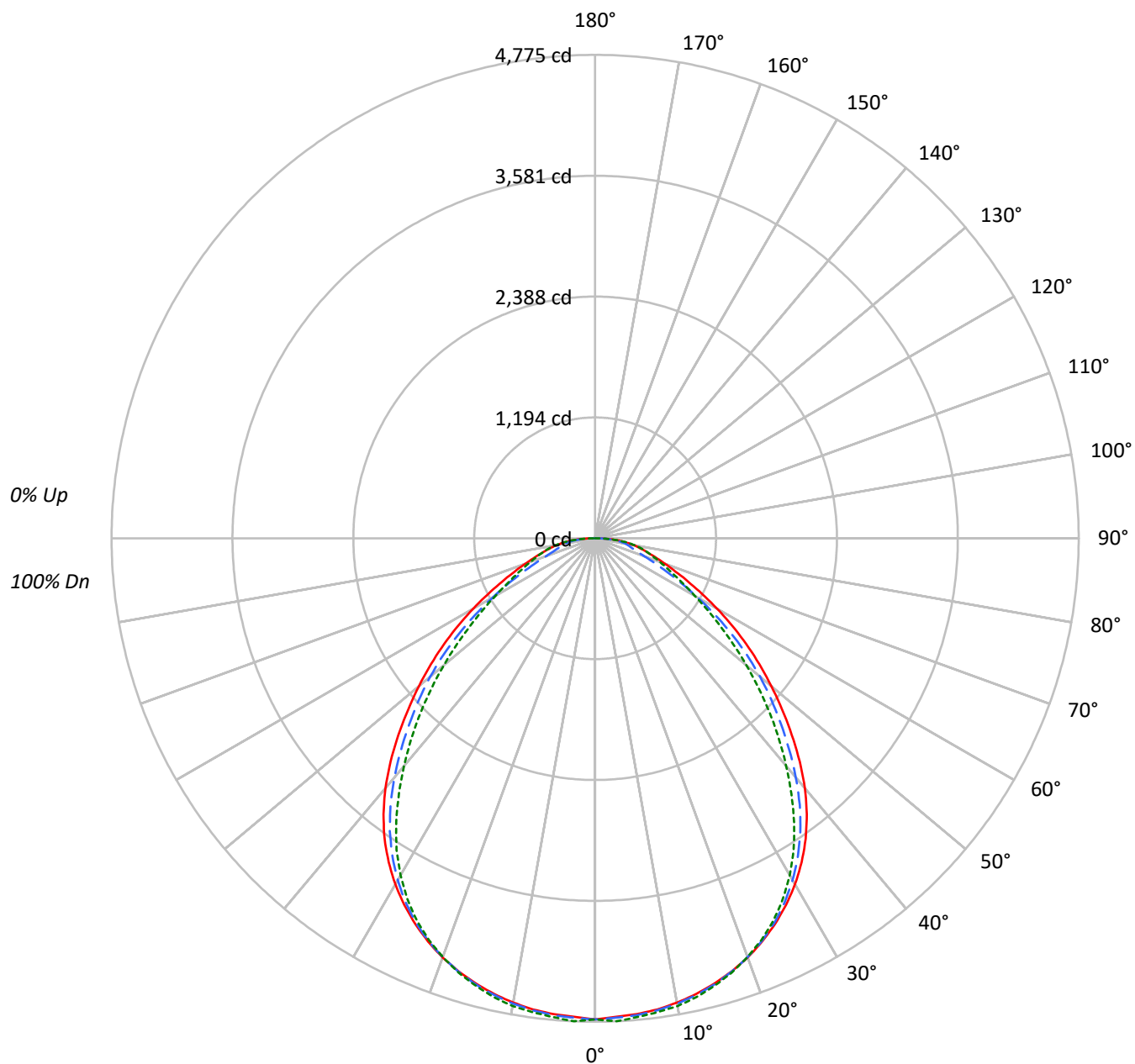
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7673	7673	7673
5°	7646	7663	7695
10°	7635	7653	7691
15°	7610	7625	7643
20°	7570	7564	7559
25°	7488	7462	7420
30°	7358	7269	7163
35°	7144	6965	6750
40°	6789	6498	6186
45°	6272	5922	5563
50°	5701	5333	4894
55°	5127	4617	4230
60°	4486	3773	3671
65°	3868	2967	3313
70°	3448	2421	3193
75°	3303	2364	3337
80°	3573	2796	3717
85°	4013	3366	4051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.4	4.1
10°-20°	1289.0	11.8
20°-30°	1928.3	17.7
30°-40°	2200.0	20.2
40°-50°	2002.6	18.3
50°-60°	1470.5	13.5
60°-70°	868.3	8.0
70°-80°	497.6	4.6
80°-90°	210.4	1.9
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°	3667.7	33.6
0°-40°	5867.7	53.7
0°-60°	9340.8	85.6
0°-90°	10917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4752	4752	4752	4752	4752	
5°	4718	4747	4728	4747	4748	448
15°	4552	4578	4562	4578	4572	1285
25°	4203	4218	4188	4187	4165	1935
35°	3625	3607	3534	3473	3425	2258
45°	2747	2731	2594	2477	2436	2117
55°	1821	1737	1640	1521	1503	1629
65°	1012	884	777	831	867	1019
75°	530	454	379	494	535	571
85°	217	200	182	214	219	226
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4752.3	4752.3	4752.3	4752.3	4752.3
2.5°	4730.4	4757.7	4740.5	4759.3	4775.4
5°	4717.5	4747.0	4728.2	4747.0	4747.5
7.5°	4694.0	4721.3	4703.1	4723.4	4721.3
10°	4656.9	4684.3	4667.7	4689.7	4691.3
12.5°	4609.8	4636.0	4618.9	4644.1	4639.8
15°	4552.4	4577.6	4561.5	4577.6	4572.3
17.5°	4484.9	4508.0	4487.1	4504.8	4495.7
20°	4405.6	4424.9	4402.4	4419.0	4399.2
22.5°	4310.7	4327.9	4304.3	4313.4	4293.0
25°	4203.0	4218.0	4188.5	4186.9	4164.9
27.5°	4082.9	4091.0	4053.5	4040.6	4015.4
30°	3946.8	3949.0	3899.1	3875.0	3842.3
32.5°	3794.0	3788.7	3724.9	3689.0	3648.8
35°	3624.7	3607.0	3533.6	3473.0	3424.8
37.5°	3433.4	3405.5	3317.6	3228.1	3182.0
40°	3221.1	3188.4	3082.9	2971.9	2934.9
42.5°	2990.1	2962.3	2837.9	2722.1	2685.7
45°	2746.8	2730.7	2593.5	2477.2	2436.5
47.5°	2503.5	2491.7	2357.7	2239.2	2189.9
50°	2269.8	2244.1	2123.0	1993.2	1948.2
52.5°	2043.1	1990.5	1883.9	1751.0	1717.8
55°	1821.2	1737.1	1640.1	1521.1	1502.8
57.5°	1601.4	1492.6	1398.3	1309.3	1308.8
60°	1389.2	1264.9	1168.4	1121.7	1136.8
62.5°	1190.4	1062.8	958.3	961.5	988.9
65°	1012.4	883.8	776.6	830.7	867.2
67.5°	859.7	736.9	628.1	728.9	763.7
70°	730.5	619.6	512.9	638.8	676.4
72.5°	621.7	528.5	432.5	563.8	601.9
75°	529.5	453.9	378.9	494.2	534.9
77.5°	454.5	387.5	339.8	427.7	470.0
80°	384.3	325.3	300.7	363.4	399.8
82.5°	304.4	263.7	249.2	295.3	314.1
85°	216.6	199.9	181.7	214.4	218.7
87.5°	119.0	123.3	101.8	123.3	123.8
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)