

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: P730334

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
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-UNV-L735
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11202.0 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

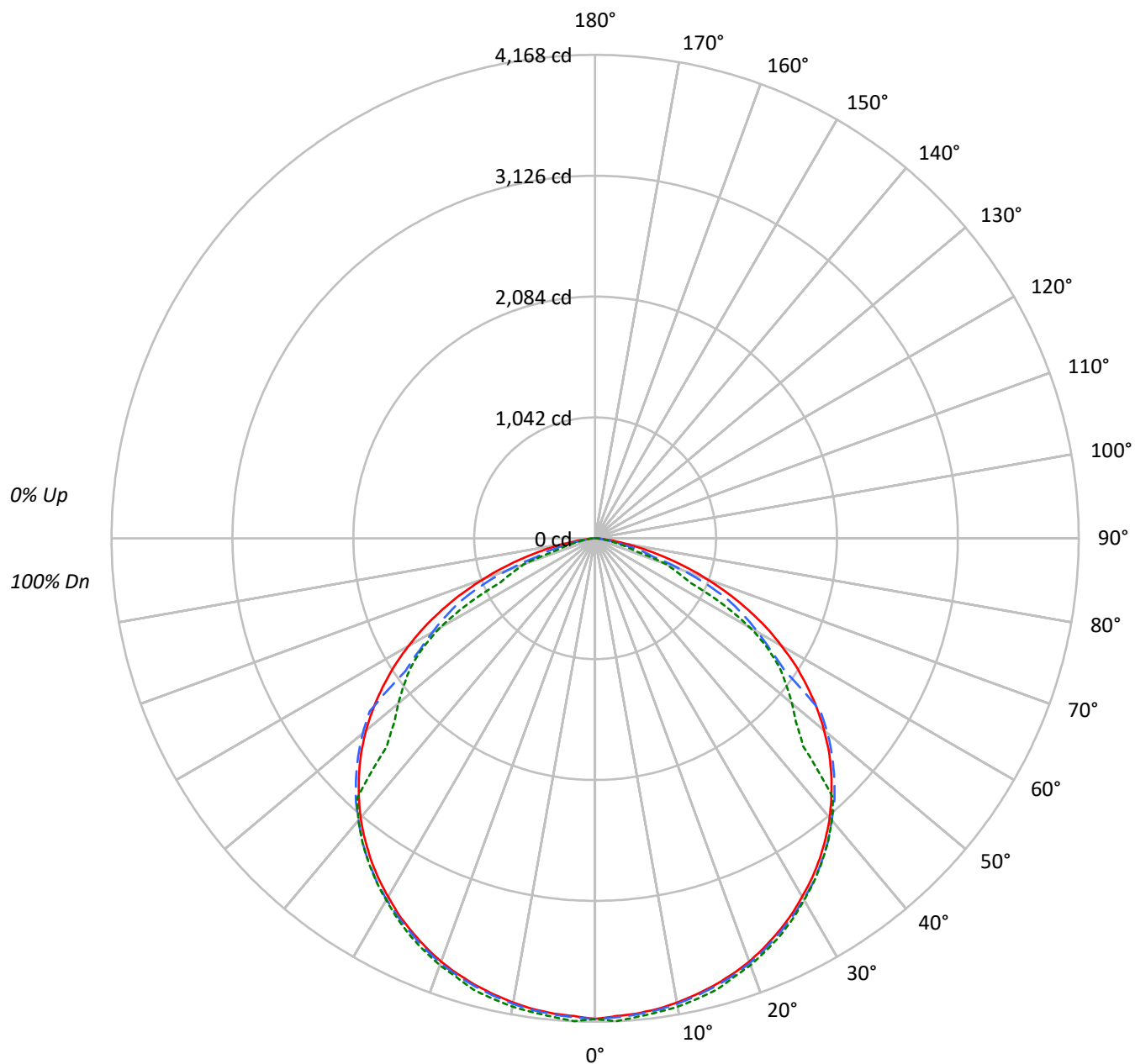
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46		
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6690	6690	6690
5°	6666	6681	6713
10°	6665	6684	6723
15°	6665	6685	6739
20°	6673	6698	6729
25°	6665	6691	6731
30°	6653	6702	6717
35°	6650	6710	6715
40°	6629	6688	6688
45°	6572	6652	5796
50°	6471	6568	5561
55°	6287	5623	5462
60°	5992	5226	4990
65°	5542	4852	3456
70°	4825	3775	3079
75°	3812	2533	1656
80°	2453	1211	1032
85°	1010	739	813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	3.5
10°-20°	1132.9	10.1
20°-30°	1736.9	15.5
30°-40°	2128.9	19.0
40°-50°	2188.7	19.5
50°-60°	1867.9	16.7
60°-70°	1234.9	11.0
70°-80°	457.5	4.1
80°-90°	61.2	0.5
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°	3262.9	29.1
0°-40°	5391.8	48.1
0°-60°	9448.4	84.3
0°-90°	11202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4144	4144	4144	4144	4144	
5°	4113	4142	4122	4138	4142	391
15°	3987	4011	3999	4030	4032	1126
25°	3742	3761	3756	3789	3778	1725
35°	3374	3397	3404	3426	3407	2110
45°	2878	2907	2913	2908	2538	2218
55°	2234	2274	1997	1939	1940	1993
65°	1450	1463	1270	1044	905	1430
75°	611	535	406	273	265	655
85°	54	39	40	43	44	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4143.6	4143.6	4143.6	4143.6	4143.6
2.5°	4123.4	4149.1	4134.0	4153.1	4167.8
5°	4112.8	4141.6	4121.9	4138.0	4142.1
7.5°	4094.6	4121.4	4103.2	4124.4	4121.4
10°	4065.4	4089.6	4077.0	4099.2	4100.7
12.5°	4028.1	4052.2	4040.7	4067.9	4067.4
15°	3987.2	4011.4	3999.3	4029.6	4031.6
17.5°	3939.2	3961.5	3952.3	3980.1	3969.0
20°	3883.7	3902.9	3898.4	3924.6	3916.5
22.5°	3815.6	3835.3	3830.8	3861.1	3848.9
25°	3741.5	3761.2	3755.6	3789.4	3778.3
27.5°	3661.3	3679.9	3679.4	3711.2	3694.1
30°	3568.4	3593.2	3594.7	3622.9	3602.7
32.5°	3476.6	3499.8	3506.4	3527.1	3509.9
35°	3373.7	3396.9	3404.5	3425.7	3407.0
37.5°	3262.7	3282.4	3296.0	3311.6	3297.0
40°	3145.1	3162.8	3172.9	3192.0	3172.9
42.5°	3014.0	3039.2	3053.3	3066.9	3035.7
45°	2878.2	2907.0	2913.1	2908.5	2538.2
47.5°	2734.5	2765.8	2769.3	2415.1	2347.0
50°	2576.0	2615.4	2614.9	2231.9	2213.8
52.5°	2411.1	2448.9	2447.4	2088.7	2076.6
55°	2233.5	2274.4	1997.4	1939.4	1940.4
57.5°	2052.4	2081.6	1792.1	1794.5	1761.2
60°	1855.6	1883.3	1618.5	1602.9	1545.3
62.5°	1658.4	1669.9	1450.5	1374.3	1264.8
65°	1450.5	1462.6	1269.9	1044.3	904.6
67.5°	1237.1	1249.2	1053.9	777.0	766.3
70°	1022.1	923.3	799.7	647.3	652.3
72.5°	810.3	709.4	522.7	501.5	362.2
75°	611.0	535.3	406.1	273.0	265.4
77.5°	425.3	368.8	217.4	186.2	174.1
80°	263.8	185.2	130.2	115.5	111.0
82.5°	133.7	106.5	70.6	70.6	70.6
85°	54.5	38.9	39.9	43.4	43.9
87.5°	11.6	15.6	19.2	19.7	19.2
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)