

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: P730325

Luminaire Tested: **HBLED-LD5-12SE-W-A-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730325
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-L835
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: 10435.0 lumens
Efficiency: N/A
Efficacy: 139.1 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

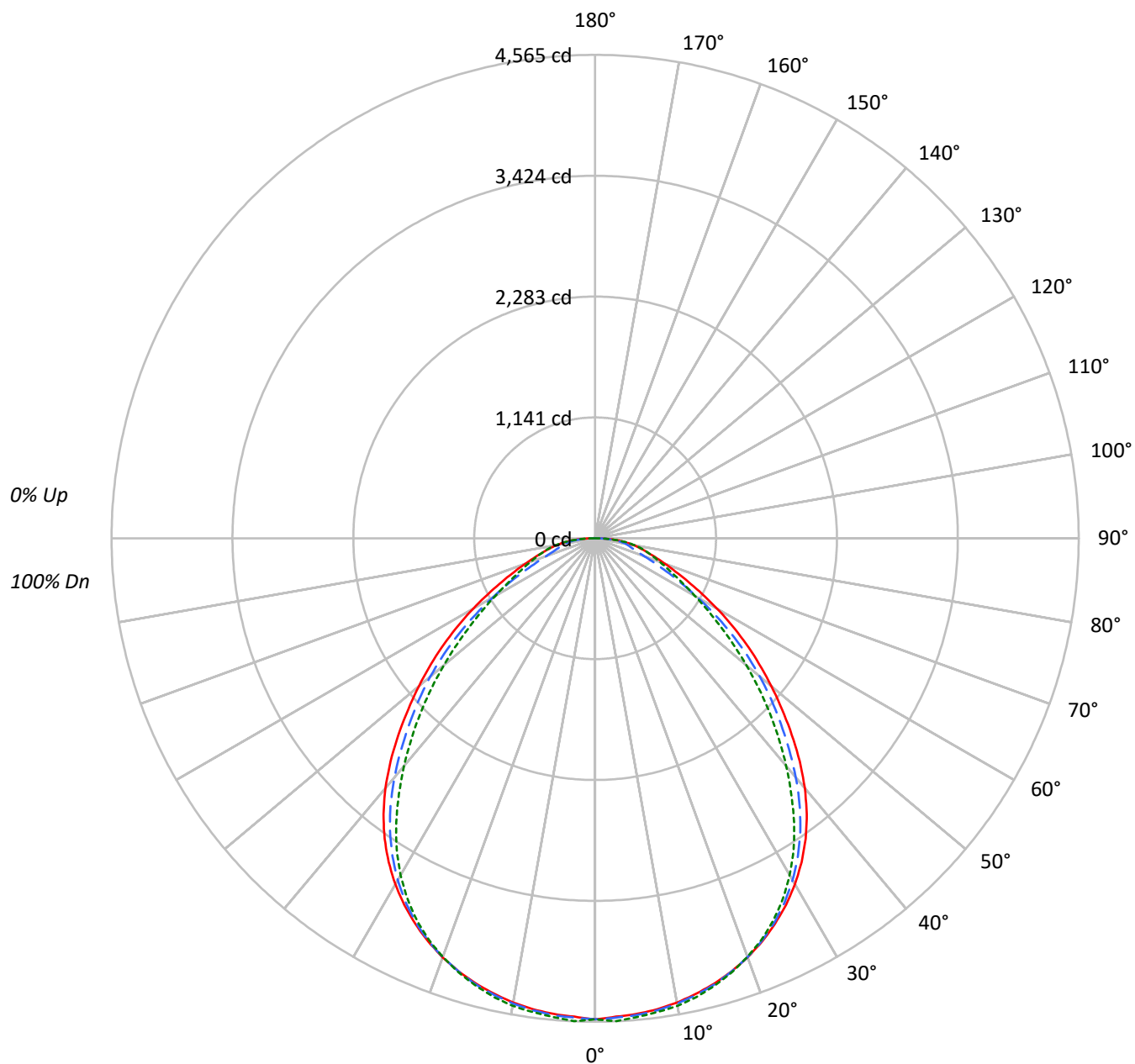
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7334	7334	7334
5°	7308	7325	7355
10°	7298	7315	7352
15°	7274	7288	7305
20°	7236	7230	7225
25°	7157	7132	7092
30°	7034	6948	6847
35°	6829	6657	6452
40°	6489	6211	5913
45°	5995	5660	5318
50°	5450	5097	4678
55°	4900	4413	4044
60°	4288	3606	3509
65°	3697	2836	3167
70°	3296	2315	3052
75°	3158	2260	3189
80°	3415	2672	3554
85°	3835	3218	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	4.1
10°-20°	1232.1	11.8
20°-30°	1843.1	17.7
30°-40°	2102.9	20.2
40°-50°	1914.2	18.3
50°-60°	1405.6	13.5
60°-70°	829.9	8.0
70°-80°	475.6	4.6
80°-90°	201.1	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°	3505.8	33.6
0°-40°	5608.6	53.7
0°-60°	8928.4	85.6
0°-90°	10435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4542	4542	4542	4542	4542	
5°	4509	4537	4520	4537	4538	429
15°	4351	4376	4360	4376	4370	1228
25°	4017	4032	4004	4002	3981	1849
35°	3465	3448	3378	3320	3274	2159
45°	2626	2610	2479	2368	2329	2023
55°	1741	1660	1568	1454	1436	1557
65°	968	845	742	794	829	974
75°	506	434	362	472	511	546
85°	207	191	174	205	209	216
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4542.5	4542.5	4542.5	4542.5	4542.5
2.5°	4521.5	4547.6	4531.2	4549.2	4564.6
5°	4509.2	4537.4	4519.5	4537.4	4537.9
7.5°	4486.7	4512.8	4495.4	4514.9	4512.8
10°	4451.3	4477.5	4461.6	4482.6	4484.1
12.5°	4406.2	4431.4	4415.0	4439.1	4435.0
15°	4351.4	4375.5	4360.1	4375.5	4370.4
17.5°	4286.9	4308.9	4289.0	4305.9	4297.2
20°	4211.1	4229.5	4208.0	4223.9	4204.9
22.5°	4120.4	4136.8	4114.2	4122.9	4103.5
25°	4017.4	4031.8	4003.6	4002.1	3981.0
27.5°	3902.7	3910.4	3874.5	3862.2	3838.1
30°	3772.6	3774.6	3727.0	3703.9	3672.6
32.5°	3626.5	3621.4	3560.4	3526.1	3487.7
35°	3464.7	3447.8	3377.6	3319.7	3273.6
37.5°	3281.8	3255.1	3171.1	3085.6	3041.5
40°	3078.9	3047.7	2946.7	2840.7	2805.3
42.5°	2858.1	2831.5	2712.6	2602.0	2567.1
45°	2625.5	2610.2	2479.0	2367.8	2328.9
47.5°	2392.9	2381.7	2253.6	2140.4	2093.2
50°	2169.6	2145.0	2029.2	1905.2	1862.2
52.5°	1952.9	1902.6	1800.7	1673.7	1641.9
55°	1740.8	1660.4	1567.6	1453.9	1436.5
57.5°	1530.7	1426.7	1336.6	1251.5	1251.0
60°	1327.9	1209.0	1116.8	1072.2	1086.6
62.5°	1137.8	1015.9	916.0	919.0	945.2
65°	967.7	844.8	742.3	794.1	828.9
67.5°	821.7	704.4	600.4	696.7	730.0
70°	698.3	592.2	490.3	610.6	646.5
72.5°	594.3	505.1	413.4	538.9	575.3
75°	506.2	433.9	362.2	472.4	511.2
77.5°	434.4	370.4	324.8	408.8	449.3
80°	367.3	311.0	287.4	347.4	382.2
82.5°	291.0	252.1	238.2	282.3	300.2
85°	207.0	191.1	173.7	204.9	209.0
87.5°	113.7	117.8	97.3	117.8	118.3
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)