

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: P730337

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730337
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-L835
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: 10708.0 lumens
Efficiency: N/A
Efficacy: 142.8 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

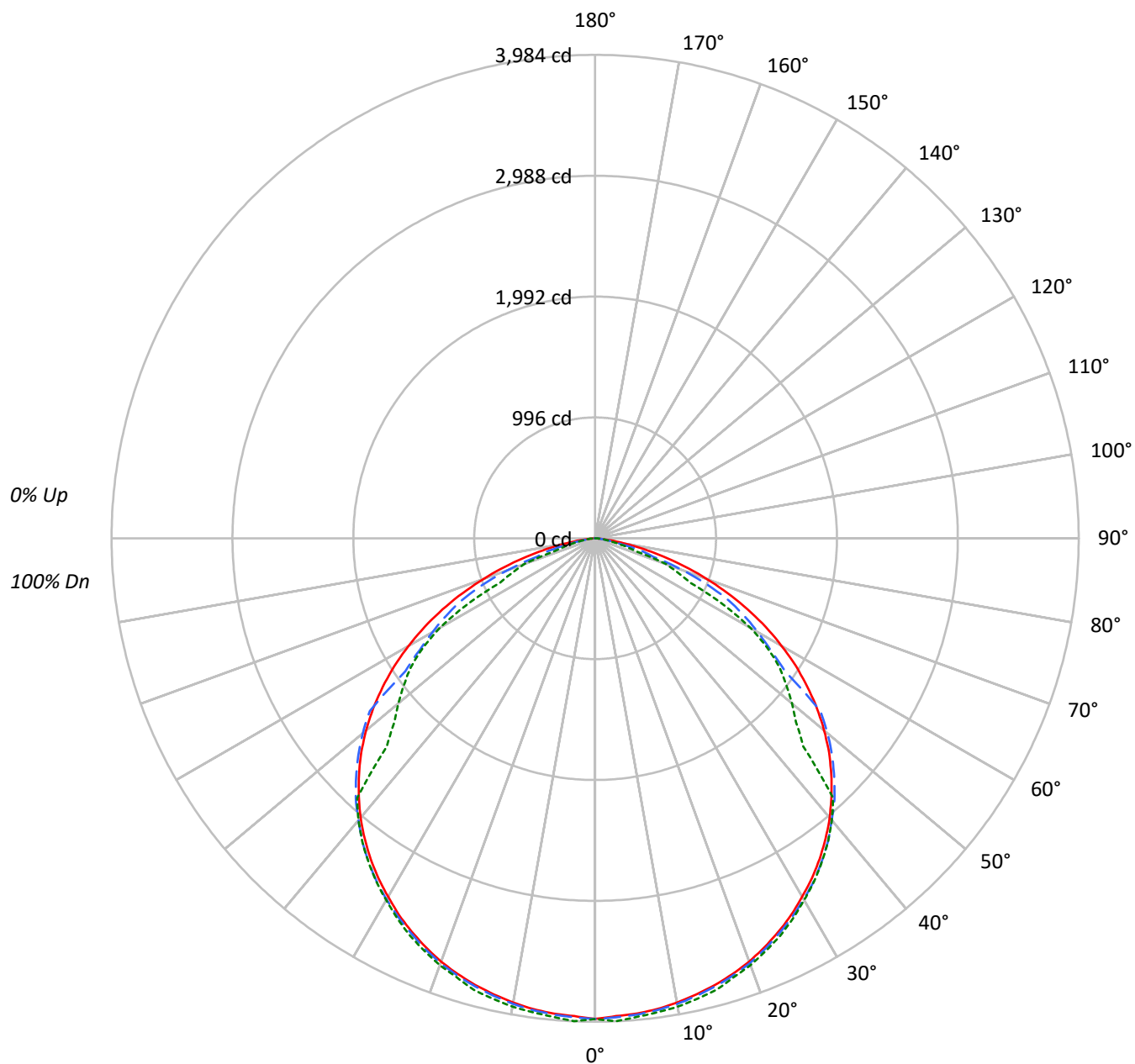
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6395	6395	6395
5°	6372	6386	6417
10°	6371	6389	6426
15°	6371	6390	6442
20°	6379	6403	6433
25°	6372	6396	6434
30°	6360	6406	6421
35°	6356	6414	6419
40°	6337	6393	6393
45°	6282	6358	5540
50°	6185	6279	5316
55°	6010	5375	5221
60°	5728	4996	4770
65°	5297	4638	3304
70°	4613	3609	2944
75°	3643	2422	1583
80°	2345	1157	987
85°	965	706	776



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.7	3.5
10°-20°	1083.0	10.1
20°-30°	1660.3	15.5
30°-40°	2035.0	19.0
40°-50°	2092.1	19.5
50°-60°	1785.5	16.7
60°-70°	1180.5	11.0
70°-80°	437.4	4.1
80°-90°	58.5	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°	3119.0	29.1
0°-40°	5154.0	48.1
0°-60°	9031.7	84.3
0°-90°	10708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3961	3961	3961	3961	3961	
5°	3931	3959	3940	3956	3959	374
15°	3811	3834	3823	3852	3854	1077
25°	3576	3595	3590	3622	3612	1649
35°	3225	3247	3254	3275	3257	2017
45°	2751	2779	2785	2780	2426	2120
55°	2135	2174	1909	1854	1855	1905
65°	1386	1398	1214	998	865	1367
75°	584	512	388	261	254	627
85°	52	37	38	42	42	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3960.8	3960.8	3960.8	3960.8	3960.8
2.5°	3941.5	3966.2	3951.7	3970.0	3984.0
5°	3931.4	3958.9	3940.1	3955.5	3959.4
7.5°	3914.1	3939.6	3922.2	3942.5	3939.6
10°	3886.1	3909.2	3897.2	3918.4	3919.8
12.5°	3850.4	3873.5	3862.5	3888.5	3888.0
15°	3811.3	3834.5	3822.9	3851.9	3853.8
17.5°	3765.5	3786.8	3778.1	3804.6	3794.0
20°	3712.5	3730.8	3726.4	3751.5	3743.8
22.5°	3647.4	3666.2	3661.9	3690.8	3679.2
25°	3576.5	3595.3	3590.0	3622.3	3611.7
27.5°	3499.8	3517.6	3517.1	3547.6	3531.2
30°	3411.1	3434.7	3436.2	3463.2	3443.9
32.5°	3323.3	3345.5	3351.8	3371.5	3355.1
35°	3224.9	3247.1	3254.3	3274.6	3256.8
37.5°	3118.8	3137.6	3150.6	3165.6	3151.6
40°	3006.4	3023.3	3033.0	3051.3	3033.0
42.5°	2881.1	2905.2	2918.7	2931.7	2901.8
45°	2751.3	2778.8	2784.6	2780.2	2426.3
47.5°	2613.9	2643.8	2647.2	2308.6	2243.5
50°	2462.4	2500.1	2499.6	2133.5	2116.2
52.5°	2304.8	2340.9	2339.5	1996.6	1985.0
55°	2135.0	2174.1	1909.3	1853.8	1854.8
57.5°	1961.8	1989.8	1713.0	1715.4	1683.6
60°	1773.8	1800.3	1547.1	1532.2	1477.2
62.5°	1585.2	1596.3	1386.5	1313.7	1209.0
65°	1386.5	1398.1	1213.9	998.3	864.7
67.5°	1182.5	1194.1	1007.4	742.7	732.5
70°	977.1	882.5	764.4	618.8	623.6
72.5°	774.5	678.1	499.6	479.4	346.2
75°	584.0	511.7	388.2	260.9	253.7
77.5°	406.6	352.5	207.9	178.0	166.4
80°	252.2	177.0	124.4	110.4	106.1
82.5°	127.8	101.8	67.5	67.5	67.5
85°	52.1	37.1	38.1	41.5	41.9
87.5°	11.1	14.9	18.3	18.8	18.3
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)