

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: P829760

Luminaire Tested: **OHBL-12SE-MFL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-MFL-UNV-L835-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

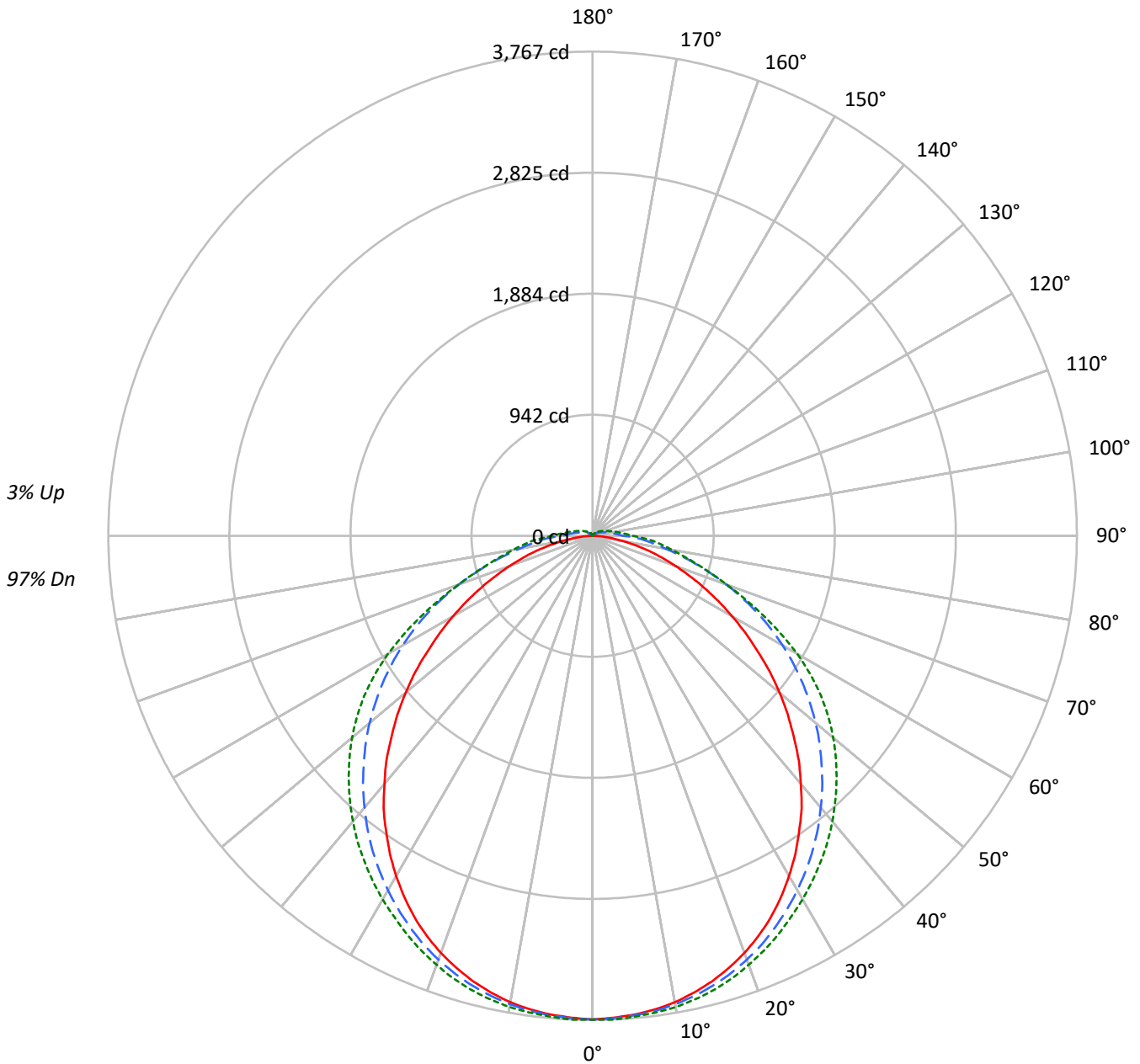
Lumens per Lamp: N/A
Luminaire Lumens: 11264.0 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12245	12245	12245
5°	12166	12056	12063
10°	12081	11879	11900
15°	11946	11682	11718
20°	11767	11458	11499
25°	11527	11196	11278
30°	11196	10917	11054
35°	10795	10622	10842
40°	10313	10291	10624
45°	9746	9934	10370
50°	9124	9568	10076
55°	8360	9132	9664
60°	7578	8627	8990
65°	6724	8002	7994
70°	5799	7229	6924
75°	4862	6336	6090
80°	3686	5566	5632
85°	2333	5272	5562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.6	3.2
10°-20°	1023.1	9.1
20°-30°	1547.3	13.7
30°-40°	1857.5	16.5
40°-50°	1918.5	17.0
50°-60°	1726.1	15.3
60°-70°	1300.2	11.5
70°-80°	785.1	7.0
80°-90°	384.0	3.4
90°-100°	161.6	1.4
100°-110°	92.3	0.8
110°-120°	54.2	0.5
120°-130°	30.6	0.3
130°-140°	16.1	0.1
140°-150°	7.8	0.1
150°-160°	2.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2927.0	26.0
0°-40°	4784.5	42.5
0°-60°	8429.1	74.8
0°-90°	10898.4	96.8
90°-120°	308.0	2.7
90°-150°	362.6	3.2
90°-180°	366.0	3.2
0°-180°	11264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3764	3764	3764	3764	3764	
5°	3740	3750	3745	3760	3755	355
15°	3589	3606	3623	3653	3657	1012
25°	3277	3313	3360	3413	3421	1507
35°	2802	2867	2985	3076	3094	1752
45°	2212	2323	2517	2655	2683	1707
55°	1567	1729	1991	2142	2167	1405
65°	956	1151	1409	1479	1463	950
75°	450	647	816	837	829	481
85°	94	248	409	465	474	109
90°	0	97	234	295	307	6
95°	5	65	175	223	231	4
105°	6	38	101	133	138	6
115°	7	21	63	84	88	8
125°	7	10	38	54	57	7
135°	6	8	19	33	37	5
145°	9	8	9	17	19	5
155°	9	10	9	8	9	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3763.7	3763.7	3763.7	3763.7	3763.7
2.5°	3752.6	3761.8	3756.3	3768.3	3767.3
5°	3739.7	3749.8	3745.2	3760.0	3755.4
7.5°	3717.6	3728.7	3727.7	3744.3	3742.5
10°	3685.4	3697.3	3701.0	3723.1	3723.1
12.5°	3641.2	3656.8	3666.0	3692.7	3693.7
15°	3588.6	3606.2	3622.7	3653.1	3656.8
17.5°	3525.1	3547.2	3570.2	3605.2	3609.8
20°	3453.2	3478.1	3509.4	3546.3	3551.8
22.5°	3370.3	3399.8	3440.4	3483.6	3490.1
25°	3277.3	3313.2	3360.2	3412.7	3421.0
27.5°	3171.4	3212.8	3276.4	3335.3	3342.7
30°	3056.2	3105.1	3184.3	3254.3	3266.3
32.5°	2934.7	2990.8	3088.5	3166.8	3183.4
35°	2802.0	2867.4	2985.3	3075.6	3094.0
37.5°	2671.2	2743.1	2876.6	2979.8	3001.9
40°	2518.3	2607.7	2760.6	2874.8	2901.5
42.5°	2374.6	2471.3	2644.5	2768.9	2794.7
45°	2211.6	2323.0	2517.4	2654.6	2683.2
47.5°	2058.7	2179.3	2394.9	2536.7	2566.2
50°	1897.5	2030.1	2264.1	2412.4	2442.8
52.5°	1736.3	1879.1	2128.7	2282.5	2311.1
55°	1566.8	1728.9	1991.4	2141.6	2167.4
57.5°	1409.3	1580.6	1850.5	1993.3	2008.9
60°	1253.6	1431.4	1706.8	1832.1	1837.6
62.5°	1101.6	1288.6	1559.4	1658.9	1651.6
65°	956.1	1151.4	1409.3	1479.3	1462.7
67.5°	816.1	1017.8	1255.5	1300.6	1278.5
70°	683.5	888.0	1106.3	1129.3	1109.0
72.5°	566.5	764.5	955.2	974.5	959.8
75°	450.4	646.6	816.1	837.3	829.0
77.5°	341.7	532.4	688.1	715.7	717.5
80°	245.9	428.3	576.6	619.9	625.4
82.5°	162.1	332.5	483.6	538.9	547.1
85°	94.0	247.8	409.0	465.2	473.5
87.5°	40.5	178.7	328.8	379.5	389.6
90°	0.0	96.7	234.0	294.8	306.7
92.5°	2.8	80.1	200.8	256.1	266.2
95°	4.6	65.4	175.0	222.9	231.2
97.5°	5.5	55.3	152.0	194.4	202.6
100°	5.5	47.9	131.7	170.4	177.8
102.5°	5.5	42.4	115.1	149.2	155.7
105°	6.4	37.8	101.3	132.6	138.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.4	24.9	70.0	94.0	97.6
115°	7.4	21.2	62.6	83.8	87.5
117.5°	8.3	18.4	55.3	75.5	78.3
120°	8.3	15.7	48.8	67.2	70.9
122.5°	8.3	12.9	43.3	60.8	63.6
125°	7.4	10.1	37.8	54.3	57.1
127.5°	6.4	8.3	32.2	48.8	51.6
130°	6.4	7.4	27.6	43.3	46.1
132.5°	6.4	8.3	23.0	37.8	41.5
135°	6.4	8.3	19.3	33.2	36.8
137.5°	6.4	8.3	15.7	28.6	32.2
140°	7.4	8.3	12.9	23.9	27.6
142.5°	8.3	8.3	10.1	20.3	23.0
145°	9.2	8.3	9.2	16.6	19.3
147.5°	9.2	9.2	9.2	12.9	15.7
150°	9.2	10.1	9.2	10.1	12.9
152.5°	9.2	10.1	9.2	8.3	10.1
155°	9.2	10.1	9.2	8.3	9.2
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	6.4	33.2	89.3	117.9	122.5
110°	6.4	29.5	79.2	105.0	109.6



(END OF REPORT)