

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: P829748

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-MCL-UNV-L835-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

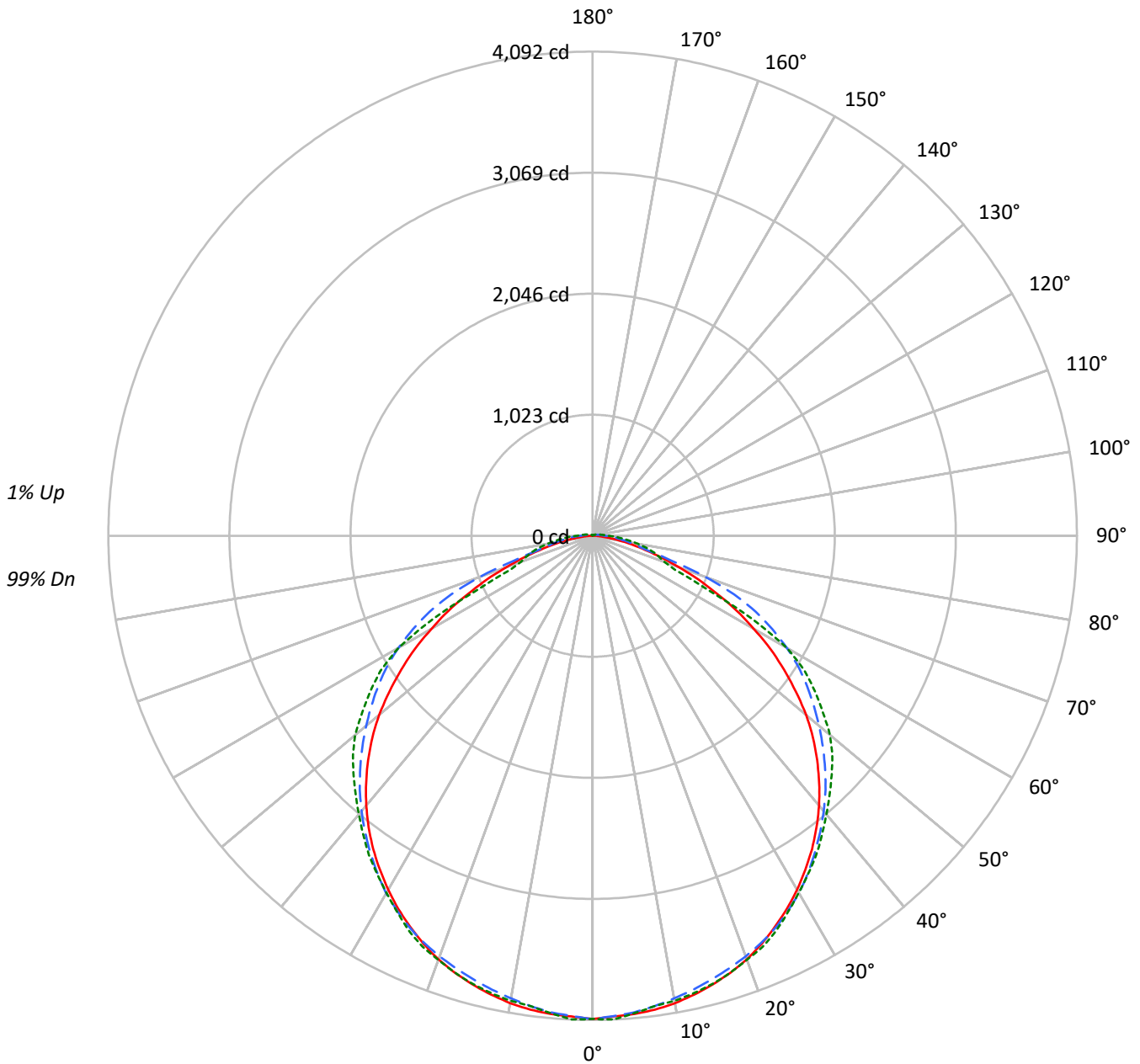
Lumens per Lamp: N/A
Luminaire Lumens: 11542.0 lumens
Efficiency: N/A
Efficacy: 164.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
RC	80									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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13285	13285	13285
5°	13198	13014	13009
10°	13150	12741	12757
15°	13066	12519	12565
20°	12983	12351	12347
25°	12826	12182	12129
30°	12656	11957	11788
35°	12452	11646	11545
40°	12188	11323	11251
45°	11820	10958	11040
50°	11323	10549	10799
55°	10533	10135	10225
60°	9498	9571	9267
65°	8148	8636	5728
70°	6563	6582	4019
75°	4920	3777	3895
80°	3425	2981	3467
85°	1948	2489	2871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.0	3.3
10°-20°	1104.1	9.6
20°-30°	1686.3	14.6
30°-40°	2046.1	17.7
40°-50°	2144.5	18.6
50°-60°	1943.2	16.8
60°-70°	1302.9	11.3
70°-80°	585.1	5.1
80°-90°	212.3	1.8
90°-100°	63.9	0.6
100°-110°	30.2	0.3
110°-120°	15.1	0.1
120°-130°	8.3	0.1
130°-140°	5.7	0.0
140°-150°	3.9	0.0
150°-160°	2.9	0.0
160°-170°	1.8	0.0
170°-180°	0.6	0.0
0°-30°	3175.5	27.5
0°-40°	5221.6	45.2
0°-60°	9309.4	80.7
0°-90°	11409.6	98.9
90°-120°	109.2	0.9
90°-150°	127.1	1.1
90°-180°	132.0	1.1
0°-180°	11542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4084	4084	4084	4084	4084	
5°	4057	4071	4043	4055	4050	386
15°	3925	3910	3882	3916	3921	1108
25°	3647	3631	3656	3690	3679	1681
35°	3232	3240	3273	3308	3295	2020
45°	2682	2726	2777	2848	2857	2066
55°	1974	2069	2210	2299	2293	1762
65°	1158	1340	1521	1284	1048	1154
75°	456	661	486	498	530	498
85°	78	151	193	233	244	96
90°	1	50	100	125	131	5
95°	1	31	68	83	86	1
105°	2	14	34	41	42	3
115°	5	7	17	22	23	4
125°	4	5	11	12	13	4
135°	5	6	6	9	10	4
145°	5	6	6	6	7	4
155°	6	6	6	6	6	3
165°	6	6	6	6	6	2
175°	6	6	6	5	5	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4083.6	4083.6	4083.6	4083.6	4083.6
2.5°	4067.0	4084.2	4062.9	4085.9	4091.8
5°	4057.0	4071.2	4042.8	4055.2	4049.9
7.5°	4038.7	4043.4	4009.8	4019.8	4009.2
10°	4011.5	4009.2	3969.6	3989.1	3991.5
12.5°	3971.4	3964.3	3928.9	3958.4	3959.0
15°	3925.3	3910.0	3882.2	3916.5	3921.2
17.5°	3872.2	3852.1	3833.8	3878.1	3871.0
20°	3810.2	3786.6	3783.0	3831.4	3813.7
22.5°	3733.4	3715.1	3723.4	3769.4	3758.2
25°	3646.6	3630.7	3656.1	3689.7	3679.1
27.5°	3555.1	3545.7	3574.6	3600.6	3579.9
30°	3454.7	3449.4	3487.8	3509.1	3483.1
32.5°	3345.5	3347.3	3383.9	3412.8	3388.6
35°	3232.1	3239.8	3272.9	3307.7	3294.7
37.5°	3107.6	3124.7	3157.7	3197.3	3183.7
40°	2975.9	3000.7	3037.3	3085.1	3072.7
42.5°	2833.6	2864.9	2912.1	2965.3	2964.1
45°	2682.4	2726.1	2776.9	2847.8	2856.6
47.5°	2525.4	2574.4	2638.7	2733.2	2746.8
50°	2354.7	2416.1	2496.4	2609.8	2618.1
52.5°	2164.6	2248.4	2354.7	2463.4	2453.3
55°	1973.9	2068.9	2210.1	2298.6	2293.3
57.5°	1783.8	1890.6	2061.9	2125.0	2124.4
60°	1571.2	1706.4	1893.6	1941.4	1894.2
62.5°	1374.6	1519.8	1714.1	1679.2	1517.5
65°	1158.5	1339.7	1521.0	1283.6	1048.1
67.5°	966.6	1155.5	1291.9	879.2	752.8
70°	773.5	981.9	1007.3	652.4	643.6
72.5°	602.3	824.3	695.0	558.6	586.9
75°	455.8	661.3	486.5	497.8	530.2
77.5°	332.4	507.8	378.5	436.3	462.9
80°	228.5	359.6	308.8	366.7	385.0
82.5°	143.5	237.4	247.4	295.2	314.1
85°	78.5	150.6	193.1	233.2	244.4
87.5°	32.5	90.9	147.6	180.1	189.5
90°	0.6	50.2	99.8	125.2	131.1
92.5°	0.6	38.4	81.5	101.0	105.1
95°	0.6	31.3	68.5	83.3	85.6
97.5°	1.2	24.8	57.3	69.1	71.4
100°	1.8	20.7	47.8	57.9	59.6
102.5°	2.4	16.5	40.2	48.4	50.2
105°	2.4	13.6	33.7	40.7	42.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	8.3	20.1	25.4	26.6
115°	4.7	7.1	17.1	21.8	23.0
117.5°	4.7	5.9	14.8	18.3	19.5
120°	4.7	5.3	13.0	15.9	16.5
122.5°	4.7	4.7	11.2	14.2	14.8
125°	4.1	4.7	10.6	12.4	13.0
127.5°	4.7	4.7	9.4	11.2	11.8
130°	4.7	5.3	8.3	10.6	10.6
132.5°	5.3	5.9	7.7	10.0	10.0
135°	5.3	5.9	6.5	9.4	10.0
137.5°	5.9	5.9	5.9	8.9	9.4
140°	5.9	5.9	5.3	7.7	8.3
142.5°	5.3	5.9	5.3	7.1	7.7
145°	5.3	5.9	5.9	6.5	7.1
147.5°	5.9	5.9	5.9	5.9	6.5
150°	5.9	5.9	5.9	5.9	5.9
152.5°	5.9	5.9	5.9	5.9	5.9
155°	5.9	6.5	6.5	6.5	5.9
157.5°	5.9	6.5	6.5	6.5	6.5
160°	5.9	6.5	6.5	6.5	6.5
162.5°	6.5	6.5	6.5	6.5	6.5
165°	6.5	6.5	6.5	6.5	6.5
167.5°	6.5	7.1	6.5	6.5	6.5
170°	6.5	6.5	6.5	5.9	5.9
172.5°	6.5	6.5	6.5	5.9	5.9
175°	6.5	6.5	5.9	5.3	5.3
177.5°	7.1	6.5	5.9	5.3	4.7
180°	5.9	5.9	5.9	5.9	5.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.0	11.2	28.9	34.8	36.0
110°	3.5	9.4	24.2	29.5	30.7



(END OF REPORT)