

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: P829796

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-12SE-W-UNV-L835-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

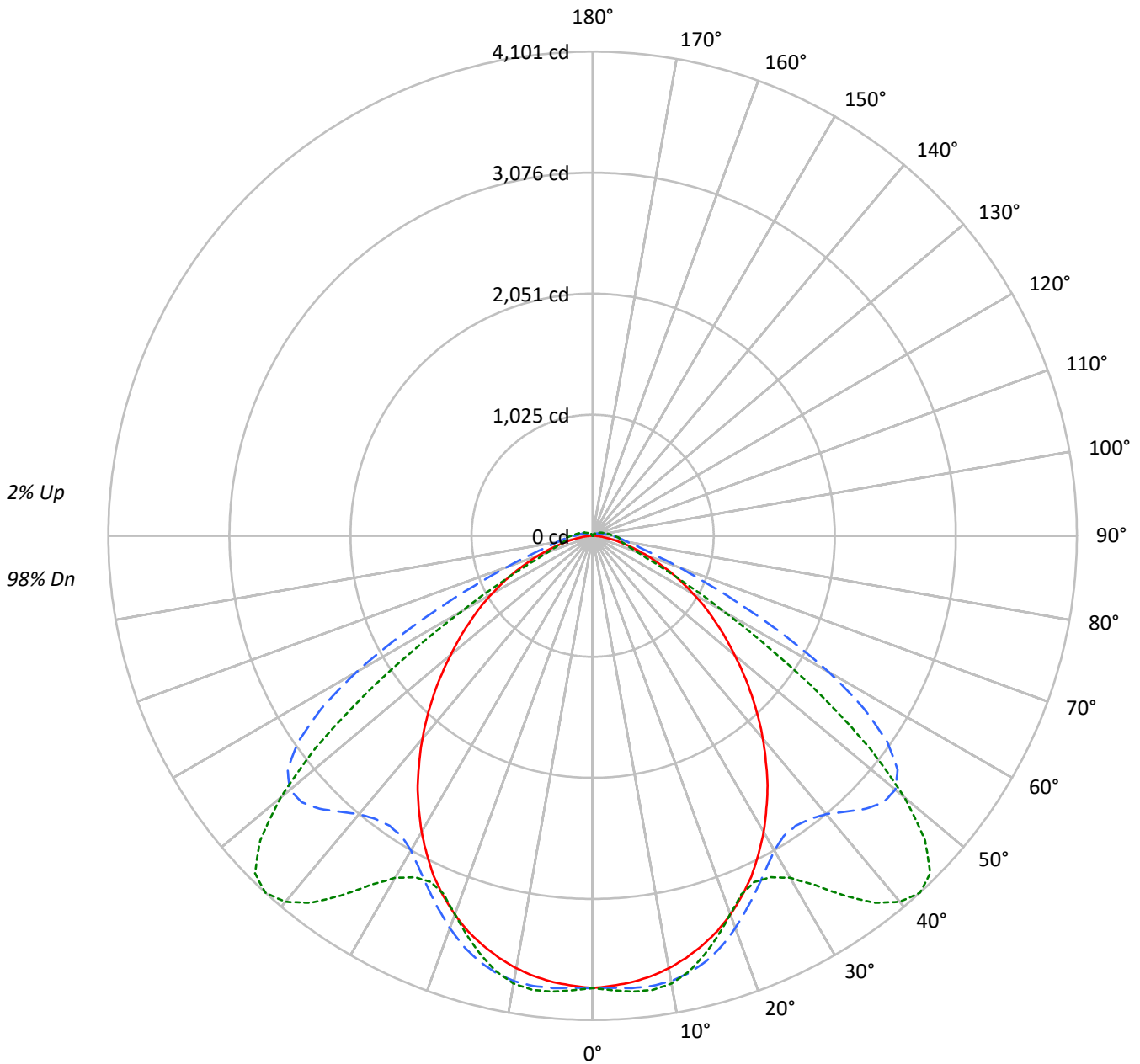
Lumens per Lamp: N/A  
Luminaire Lumens: 11471.0 lumens  
Efficiency: N/A  
Efficacy: 163.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12464	12464	12464
5°	12348	12378	12447
10°	12193	12291	12305
15°	11955	12021	11760
20°	11629	11542	11039
25°	11193	10980	10671
30°	10613	10547	11318
35°	9951	10671	13040
40°	9184	11472	14818
45°	8381	12907	15624
50°	7544	14139	14221
55°	6757	13967	10585
60°	5956	11660	6268
65°	5110	7917	3645
70°	4151	5006	2493
75°	3158	3478	2137
80°	2268	2912	2129
85°	1539	2940	2651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.1	3.2
10°-20°	1036.7	9.0
20°-30°	1517.0	13.2
30°-40°	1970.2	17.2
40°-50°	2405.9	21.0
50°-60°	2118.7	18.5
60°-70°	1104.1	9.6
70°-80°	473.5	4.1
80°-90°	227.4	2.0
90°-100°	106.8	0.9
100°-110°	66.4	0.6
110°-120°	39.3	0.3
120°-130°	21.3	0.2
130°-140°	10.7	0.1
140°-150°	5.2	0.0
150°-160°	1.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2919.8	25.5
0°-40°	4890.0	42.6
0°-60°	9414.6	82.1
0°-90°	11219.5	97.8
90°-120°	212.5	1.9
90°-150°	249.7	2.2
90°-180°	251.0	2.2
0°-180°	11471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3831	3831	3831	3831	3831	
5°	3796	3824	3845	3879	3875	360
15°	3591	3692	3728	3700	3670	1011
25°	3182	3352	3296	3234	3237	1460
35°	2583	2856	2999	3497	3721	1610
45°	1902	2393	3271	3960	4043	1467
55°	1266	2096	3046	2671	2374	1136
65°	726	1452	1394	775	667	719
75°	293	679	448	307	291	319
85°	62	242	228	223	226	69
90°	1	88	150	172	176	4
95°	2	51	120	140	145	1
105°	3	29	78	93	95	3
115°	5	16	48	59	60	5
125°	6	8	28	36	37	5
135°	5	5	13	22	23	4
145°	7	5	6	11	12	4
155°	7	7	5	5	5	2
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°	3831.1	3831.1	3831.1	3831.1	3831.1
2.5°	3814.6	3831.1	3831.9	3855.1	3852.6
5°	3795.6	3824.5	3845.2	3879.0	3874.9
7.5°	3764.2	3809.6	3846.0	3883.2	3879.9
10°	3719.5	3781.5	3829.5	3860.0	3850.1
12.5°	3661.7	3743.5	3790.6	3797.2	3778.2
15°	3591.4	3692.2	3727.8	3699.7	3669.9
17.5°	3512.1	3630.3	3642.6	3581.5	3544.3
20°	3412.9	3547.6	3535.2	3450.9	3409.6
22.5°	3302.9	3456.7	3417.0	3328.6	3288.9
25°	3182.3	3352.5	3295.5	3233.5	3236.8
27.5°	3040.9	3234.3	3178.9	3207.1	3260.0
30°	2897.1	3110.3	3076.5	3240.1	3344.3
32.5°	2739.2	2983.1	3013.6	3336.8	3507.1
35°	2583.0	2855.8	2998.8	3497.2	3721.2
37.5°	2410.2	2726.8	3022.7	3682.3	3917.1
40°	2242.5	2601.2	3077.3	3848.5	4046.8
42.5°	2071.4	2488.8	3169.0	3946.8	4101.4
45°	1901.9	2392.9	3270.7	3960.0	4042.7
47.5°	1732.5	2311.9	3341.0	3855.1	3817.1
50°	1568.8	2240.0	3345.9	3603.0	3447.6
52.5°	1415.9	2173.9	3255.0	3201.3	2959.9
55°	1266.3	2096.2	3045.9	2670.6	2373.9
57.5°	1129.9	1988.7	2723.5	2100.3	1776.3
60°	985.3	1843.2	2306.9	1536.6	1281.2
62.5°	852.2	1662.2	1839.9	1069.6	920.8
65°	726.5	1452.3	1394.4	775.3	667.0
67.5°	593.5	1234.9	1029.1	565.4	495.9
70°	489.3	1033.2	766.2	439.7	399.2
72.5°	382.7	841.4	572.8	357.1	334.8
75°	292.6	679.4	448.0	306.7	290.9
77.5°	215.7	537.3	360.4	271.1	256.2
80°	151.3	423.2	301.7	242.2	236.4
82.5°	101.7	327.3	257.1	230.6	231.4
85°	62.0	242.2	228.1	223.2	225.7
87.5°	29.8	171.9	195.9	203.3	205.8
90°	0.8	87.6	150.4	171.9	176.1
92.5°	0.0	67.0	132.2	153.7	157.9
95°	1.7	51.2	119.9	140.5	144.6
97.5°	1.7	42.2	107.5	128.9	131.4
100°	2.5	36.4	95.9	116.5	119.0
102.5°	2.5	32.2	86.0	104.1	105.8
105°	3.3	28.9	77.7	93.4	95.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	19.8	54.6	66.1	67.8
115°	5.0	16.5	47.9	58.7	60.3
117.5°	5.8	14.9	42.2	52.1	52.9
120°	5.8	12.4	36.4	46.3	47.1
122.5°	5.8	9.9	32.2	41.3	42.2
125°	5.8	8.3	28.1	36.4	37.2
127.5°	5.0	5.8	24.0	32.2	33.1
130°	5.0	5.0	19.8	28.1	29.8
132.5°	5.0	5.0	16.5	24.8	26.4
135°	5.0	5.0	13.2	22.3	23.1
137.5°	5.0	5.0	10.7	19.0	20.7
140°	5.0	5.0	8.3	16.5	17.4
142.5°	5.8	5.0	7.4	14.1	14.9
145°	6.6	5.0	5.8	10.7	12.4
147.5°	6.6	5.8	5.8	9.1	9.9
150°	6.6	6.6	5.0	6.6	8.3
152.5°	6.6	6.6	5.0	5.0	6.6
155°	6.6	6.6	5.0	5.0	5.0
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°	4.1	25.6	69.4	83.5	85.1
110°	4.1	22.3	61.2	74.4	76.0



(END OF REPORT)