

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: P829755

Luminaire Tested: **OHBL-12SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P829755  
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-L730-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

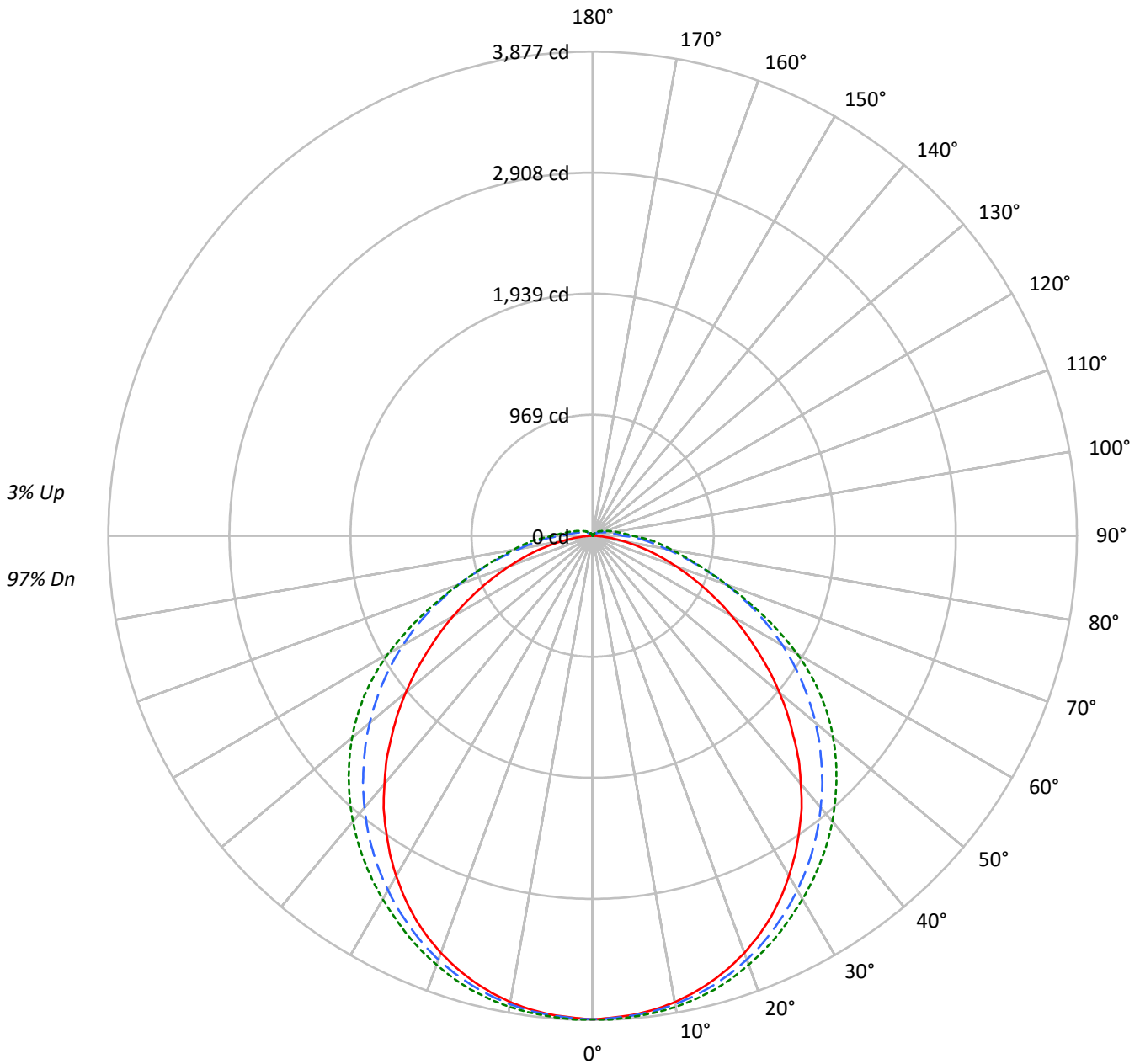
Lumens per Lamp: N/A  
Luminaire Lumens: 11591.0 lumens  
Efficiency: N/A  
Efficacy: 165.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 70  
Input Voltage (V): NR  
Input Current (A<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	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°	12600	12600	12600
5°	12519	12406	12413
10°	12432	12224	12245
15°	12292	12022	12059
20°	12108	11791	11833
25°	11862	11521	11606
30°	11521	11233	11375
35°	11109	10931	11156
40°	10613	10590	10932
45°	10029	10223	10671
50°	9389	9845	10368
55°	8603	9397	9945
60°	7798	8878	9251
65°	6920	8234	8226
70°	5967	7438	7125
75°	5003	6520	6267
80°	3793	5728	5796
85°	2400	5424	5723



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.0	3.2
10°-20°	1052.8	9.1
20°-30°	1592.2	13.7
30°-40°	1911.4	16.5
40°-50°	1974.2	17.0
50°-60°	1776.2	15.3
60°-70°	1338.0	11.5
70°-80°	807.9	7.0
80°-90°	395.1	3.4
90°-100°	166.3	1.4
100°-110°	94.9	0.8
110°-120°	55.7	0.5
120°-130°	31.5	0.3
130°-140°	16.6	0.1
140°-150°	8.1	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3012.0	26.0
0°-40°	4923.4	42.5
0°-60°	8673.8	74.8
0°-90°	11214.8	96.8
90°-120°	317.0	2.7
90°-150°	373.2	3.2
90°-180°	376.0	3.2
0°-180°	11591.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3873	3873	3873	3873	3873	
5°	3848	3859	3854	3869	3864	366
15°	3693	3711	3728	3759	3763	1041
25°	3372	3409	3458	3512	3520	1551
35°	2883	2951	3072	3165	3184	1803
45°	2276	2390	2590	2732	2761	1757
55°	1612	1779	2049	2204	2230	1446
65°	984	1185	1450	1522	1505	977
75°	464	665	840	862	853	494
85°	97	255	421	479	487	112
90°	0	100	241	303	316	6
95°	5	67	180	229	238	4
105°	7	39	104	136	142	7
115°	8	22	64	86	90	8
125°	8	10	39	56	59	7
135°	7	8	20	34	38	5
145°	10	8	10	17	20	6
155°	10	10	10	8	10	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°	3872.9	3872.9	3872.9	3872.9	3872.9
2.5°	3861.5	3871.0	3865.3	3877.7	3876.7
5°	3848.3	3858.7	3854.0	3869.1	3864.4
7.5°	3825.5	3836.9	3836.0	3853.0	3851.1
10°	3792.4	3804.7	3808.5	3831.2	3831.2
12.5°	3746.9	3763.0	3772.4	3799.9	3800.9
15°	3692.8	3710.8	3727.9	3759.2	3763.0
17.5°	3627.4	3650.2	3673.9	3709.9	3714.6
20°	3553.5	3579.1	3611.3	3649.2	3654.9
22.5°	3468.2	3498.5	3540.2	3584.8	3591.4
25°	3372.5	3409.4	3457.8	3511.8	3520.3
27.5°	3263.5	3306.1	3371.5	3432.2	3439.8
30°	3145.0	3195.2	3276.7	3348.8	3361.1
32.5°	3019.9	3077.7	3178.1	3258.7	3275.8
35°	2883.4	2950.7	3072.0	3164.9	3183.8
37.5°	2748.8	2822.7	2960.1	3066.3	3089.0
40°	2591.4	2683.4	2840.7	2958.2	2985.7
42.5°	2443.6	2543.1	2721.3	2849.2	2875.8
45°	2275.8	2390.5	2590.5	2731.7	2761.1
47.5°	2118.4	2242.6	2464.4	2610.4	2640.7
50°	1952.6	2089.1	2329.8	2482.4	2513.7
52.5°	1786.7	1933.6	2190.5	2348.8	2378.2
55°	1612.3	1779.1	2049.3	2203.8	2230.3
57.5°	1450.2	1626.5	1904.2	2051.2	2067.3
60°	1290.0	1473.0	1756.4	1885.3	1891.0
62.5°	1133.6	1326.0	1604.7	1707.1	1699.5
65°	983.9	1184.8	1450.2	1522.2	1505.2
67.5°	839.8	1047.4	1291.9	1338.4	1315.6
70°	703.3	913.7	1138.4	1162.1	1141.2
72.5°	582.9	786.7	982.9	1002.8	987.7
75°	463.5	665.4	839.8	861.6	853.1
77.5°	351.7	547.9	708.0	736.5	738.4
80°	253.1	440.8	593.4	637.9	643.6
82.5°	166.8	342.2	497.6	554.5	563.0
85°	96.7	255.0	420.8	478.7	487.2
87.5°	41.7	183.9	338.4	390.5	400.9
90°	0.0	99.5	240.8	303.3	315.6
92.5°	2.8	82.5	206.6	263.5	273.9
95°	4.7	67.3	180.1	229.4	237.9
97.5°	5.7	56.9	156.4	200.0	208.5
100°	5.7	49.3	135.5	175.4	182.9
102.5°	5.7	43.6	118.5	153.6	160.2
105°	6.6	38.9	104.3	136.5	142.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	7.6	25.6	72.0	96.7	100.5
115°	7.6	21.8	64.5	86.3	90.0
117.5°	8.5	19.0	56.9	77.7	80.6
120°	8.5	16.1	50.2	69.2	73.0
122.5°	8.5	13.3	44.5	62.6	65.4
125°	7.6	10.4	38.9	55.9	58.8
127.5°	6.6	8.5	33.2	50.2	53.1
130°	6.6	7.6	28.4	44.5	47.4
132.5°	6.6	8.5	23.7	38.9	42.7
135°	6.6	8.5	19.9	34.1	37.9
137.5°	6.6	8.5	16.1	29.4	33.2
140°	7.6	8.5	13.3	24.6	28.4
142.5°	8.5	8.5	10.4	20.9	23.7
145°	9.5	8.5	9.5	17.1	19.9
147.5°	9.5	9.5	9.5	13.3	16.1
150°	9.5	10.4	9.5	10.4	13.3
152.5°	9.5	10.4	9.5	8.5	10.4
155°	9.5	10.4	9.5	8.5	9.5
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°	6.6	34.1	91.9	121.3	126.1
110°	6.6	30.3	81.5	108.1	112.8



(END OF REPORT)