

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: P829799

Luminaire Tested: **OHBL-12SE-W-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829799  
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-L930-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

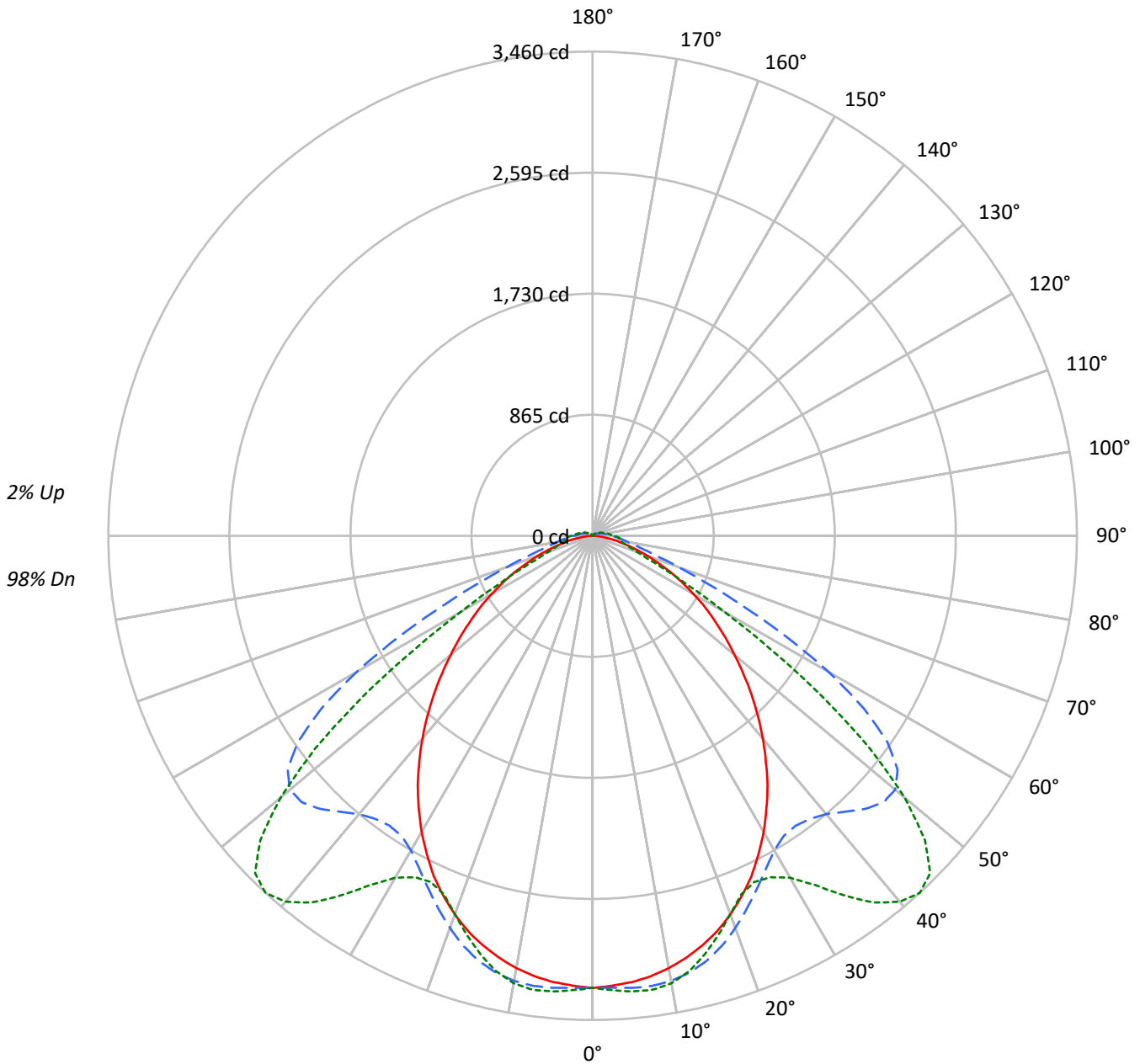
Lumens per Lamp: N/A  
Luminaire Lumens: 9676.0 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	10513	10513	10513
5°	10415	10441	10499
10°	10285	10368	10380
15°	10084	10140	9920
20°	9809	9736	9311
25°	9442	9262	9001
30°	8953	8896	9547
35°	8394	9001	10999
40°	7747	9677	12499
45°	7070	10887	13179
50°	6363	11927	11995
55°	5699	11781	8928
60°	5024	9835	5287
65°	4311	6679	3075
70°	3502	4223	2103
75°	2664	2934	1803
80°	1912	2457	1796
85°	1298	2480	2235



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.8	3.2
10°-20°	874.5	9.0
20°-30°	1279.6	13.2
30°-40°	1661.9	17.2
40°-50°	2029.4	21.0
50°-60°	1787.2	18.5
60°-70°	931.3	9.6
70°-80°	399.4	4.1
80°-90°	191.8	2.0
90°-100°	90.1	0.9
100°-110°	56.0	0.6
110°-120°	33.1	0.3
120°-130°	18.0	0.2
130°-140°	9.0	0.1
140°-150°	4.4	0.0
150°-160°	1.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2462.9	25.5
0°-40°	4124.8	42.6
0°-60°	7941.4	82.1
0°-90°	9463.8	97.8
90°-120°	179.2	1.9
90°-150°	210.6	2.2
90°-180°	212.0	2.2
0°-180°	9676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3232	3232	3232	3232	3232	
5°	3202	3226	3244	3272	3269	304
15°	3029	3114	3144	3121	3096	853
25°	2684	2828	2780	2728	2730	1232
35°	2179	2409	2530	2950	3139	1358
45°	1604	2018	2759	3340	3410	1237
55°	1068	1768	2569	2253	2002	959
65°	613	1225	1176	654	563	606
75°	247	573	378	259	245	269
85°	52	204	192	188	190	58
90°	1	74	127	145	148	4
95°	1	43	101	118	122	1
105°	3	24	66	79	80	3
115°	4	14	40	50	51	4
125°	5	7	24	31	31	4
135°	4	4	11	19	20	3
145°	6	4	5	9	10	3
155°	6	6	4	4	4	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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CATALOG NUMBER: OHBL-12SE-W-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3231.6	3231.6	3231.6	3231.6	3231.6
2.5°	3217.7	3231.6	3232.3	3251.8	3249.7
5°	3201.6	3226.0	3243.5	3272.0	3268.6
7.5°	3175.1	3213.5	3244.2	3275.5	3272.7
10°	3137.5	3189.8	3230.2	3256.0	3247.6
12.5°	3088.7	3157.7	3197.4	3203.0	3187.0
15°	3029.4	3114.5	3144.5	3120.7	3095.6
17.5°	2962.5	3062.2	3072.6	3021.0	2989.7
20°	2878.8	2992.5	2982.0	2910.9	2876.0
22.5°	2786.1	2915.8	2882.3	2807.7	2774.2
25°	2684.3	2827.9	2779.8	2727.5	2730.3
27.5°	2565.1	2728.2	2681.5	2705.2	2749.8
30°	2443.8	2623.6	2595.0	2733.1	2820.9
32.5°	2310.6	2516.3	2542.1	2814.7	2958.3
35°	2178.8	2408.9	2529.5	2949.9	3138.9
37.5°	2033.1	2300.1	2549.7	3106.1	3304.1
40°	1891.6	2194.1	2595.7	3246.2	3413.6
42.5°	1747.2	2099.3	2673.1	3329.2	3459.6
45°	1604.3	2018.4	2758.9	3340.4	3410.1
47.5°	1461.4	1950.1	2818.2	3251.8	3219.8
50°	1323.3	1889.5	2822.3	3039.2	2908.1
52.5°	1194.3	1833.7	2745.6	2700.3	2496.7
55°	1068.1	1768.1	2569.2	2252.7	2002.4
57.5°	953.1	1677.5	2297.3	1771.6	1498.3
60°	831.1	1554.8	1945.9	1296.1	1080.7
62.5°	718.8	1402.1	1552.0	902.2	776.7
65°	612.9	1225.0	1176.2	654.0	562.7
67.5°	500.6	1041.6	868.0	476.9	418.3
70°	412.8	871.5	646.3	370.9	336.8
72.5°	322.8	709.8	483.2	301.2	282.4
75°	246.8	573.1	377.9	258.7	245.4
77.5°	182.0	453.2	304.0	228.7	216.1
80°	127.6	357.0	254.5	204.3	199.4
82.5°	85.8	276.1	216.8	194.5	195.2
85°	52.3	204.3	192.4	188.2	190.3
87.5°	25.1	145.0	165.2	171.5	173.6
90°	0.7	73.9	126.9	145.0	148.5
92.5°	0.0	56.5	111.6	129.7	133.2
95°	1.4	43.2	101.1	118.5	122.0
97.5°	1.4	35.6	90.6	108.8	110.9
100°	2.1	30.7	80.9	98.3	100.4
102.5°	2.1	27.2	72.5	87.8	89.2
105°	2.8	24.4	65.5	78.8	80.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	16.7	46.0	55.8	57.2
115°	4.2	13.9	40.4	49.5	50.9
117.5°	4.9	12.5	35.6	43.9	44.6
120°	4.9	10.5	30.7	39.0	39.7
122.5°	4.9	8.4	27.2	34.9	35.6
125°	4.9	7.0	23.7	30.7	31.4
127.5°	4.2	4.9	20.2	27.2	27.9
130°	4.2	4.2	16.7	23.7	25.1
132.5°	4.2	4.2	13.9	20.9	22.3
135°	4.2	4.2	11.2	18.8	19.5
137.5°	4.2	4.2	9.1	16.0	17.4
140°	4.2	4.2	7.0	13.9	14.6
142.5°	4.9	4.2	6.3	11.9	12.5
145°	5.6	4.2	4.9	9.1	10.5
147.5°	5.6	4.9	4.9	7.7	8.4
150°	5.6	5.6	4.2	5.6	7.0
152.5°	5.6	5.6	4.2	4.2	5.6
155°	5.6	5.6	4.2	4.2	4.2
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°	3.5	21.6	58.6	70.4	71.8
110°	3.5	18.8	51.6	62.7	64.1



(END OF REPORT)