

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: P829791

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829791  
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-L730-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

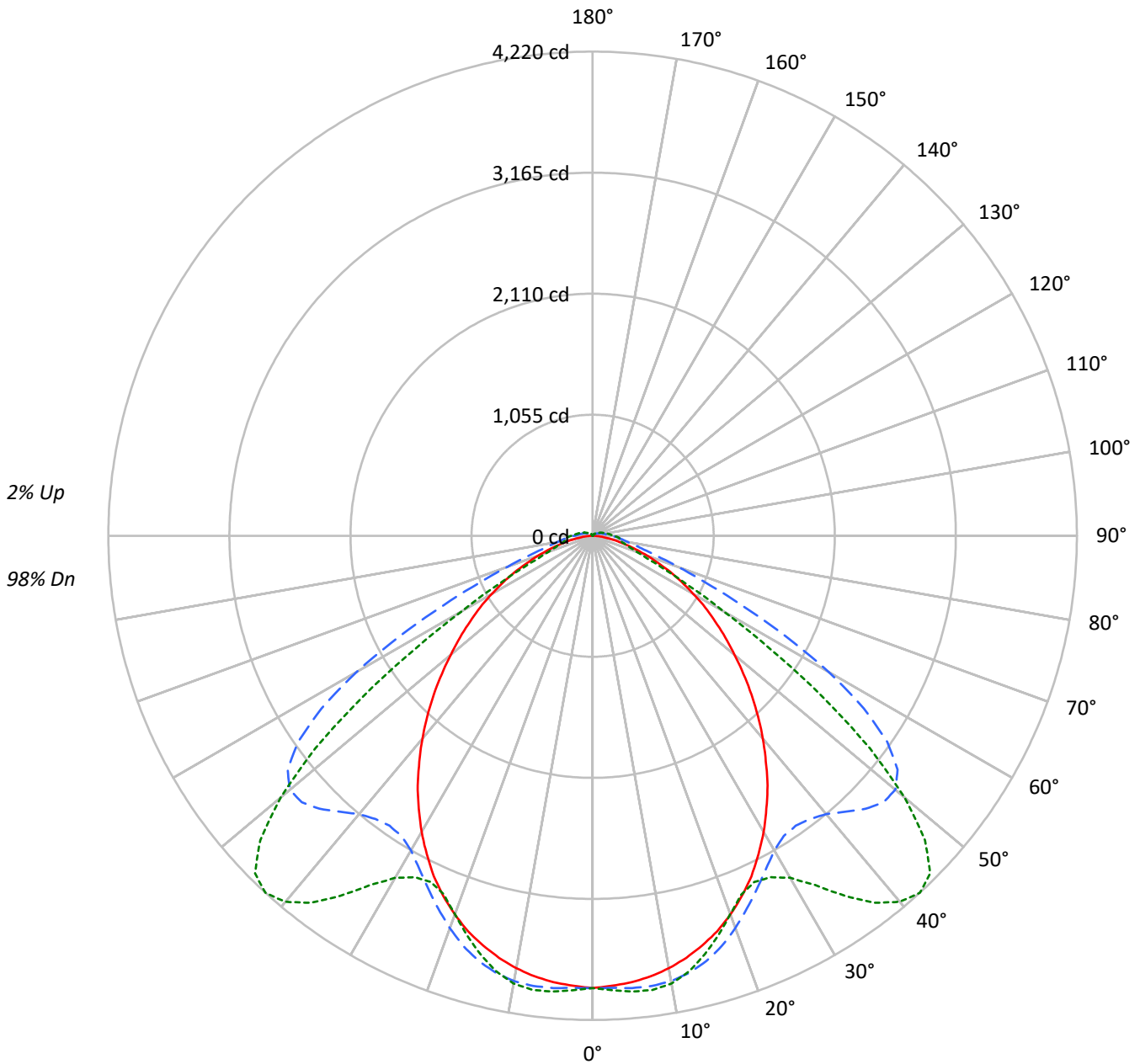
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11804.0 lumens  
Efficiency: N/A  
Efficacy: 168.6 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°	12826	12826	12826
5°	12706	12737	12808
10°	12547	12648	12663
15°	12302	12370	12102
20°	11967	11877	11359
25°	11518	11299	10981
30°	10921	10853	11647
35°	10240	10980	13418
40°	9451	11805	15248
45°	8624	13282	16077
50°	7763	14550	14633
55°	6953	14373	10892
60°	6129	11999	6450
65°	5258	8147	3751
70°	4272	5152	2565
75°	3250	3579	2200
80°	2334	2997	2191
85°	1584	3026	2728



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.7	3.2
10°-20°	1066.8	9.0
20°-30°	1561.1	13.2
30°-40°	2027.4	17.2
40°-50°	2475.7	21.0
50°-60°	2180.2	18.5
60°-70°	1136.1	9.6
70°-80°	487.2	4.1
80°-90°	234.0	2.0
90°-100°	109.9	0.9
100°-110°	68.3	0.6
110°-120°	40.4	0.3
120°-130°	22.0	0.2
130°-140°	11.0	0.1
140°-150°	5.3	0.0
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	3004.6	25.5
0°-40°	5032.0	42.6
0°-60°	9687.9	82.1
0°-90°	11545.2	97.8
90°-120°	218.7	1.9
90°-150°	257.0	2.2
90°-180°	259.0	2.2
0°-180°	11804.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3942	3942	3942	3942	3942	
5°	3906	3936	3957	3992	3987	370
15°	3696	3799	3836	3807	3776	1041
25°	3275	3450	3391	3327	3331	1503
35°	2658	2939	3086	3599	3829	1657
45°	1957	2462	3366	4075	4160	1509
55°	1303	2157	3134	2748	2443	1169
65°	748	1494	1435	798	686	740
75°	301	699	461	316	299	328
85°	64	249	235	230	232	71
90°	1	90	155	177	181	4
95°	2	53	123	145	149	1
105°	3	30	80	96	98	4
115°	5	17	49	60	62	5
125°	6	8	29	37	38	5
135°	5	5	14	23	24	4
145°	7	5	6	11	13	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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CATALOG NUMBER: OHBL-12SE-W-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3942.3	3942.3	3942.3	3942.3	3942.3
2.5°	3925.3	3942.3	3943.2	3967.0	3964.4
5°	3905.7	3935.5	3956.8	3991.7	3987.4
7.5°	3873.4	3920.2	3957.6	3995.9	3992.5
10°	3827.5	3891.3	3940.6	3972.1	3961.9
12.5°	3768.0	3852.2	3900.6	3907.4	3887.9
15°	3695.7	3799.4	3836.0	3807.1	3776.5
17.5°	3614.0	3735.6	3748.4	3685.5	3647.2
20°	3511.9	3650.6	3637.8	3551.1	3508.5
22.5°	3398.8	3557.0	3516.2	3425.2	3384.4
25°	3274.6	3449.8	3391.2	3327.4	3330.8
27.5°	3129.2	3328.2	3271.2	3300.2	3354.6
30°	2981.2	3200.6	3165.8	3334.2	3441.3
32.5°	2818.7	3069.7	3101.1	3433.7	3608.9
35°	2658.0	2938.7	3085.8	3598.7	3829.2
37.5°	2480.2	2806.0	3110.5	3789.2	4030.8
40°	2307.6	2676.7	3166.6	3960.2	4164.3
42.5°	2131.5	2561.0	3261.0	4061.4	4220.5
45°	1957.1	2462.4	3365.6	4075.0	4160.1
47.5°	1782.8	2379.0	3437.9	3967.0	3927.9
50°	1614.4	2305.0	3443.0	3707.6	3547.7
52.5°	1457.0	2237.0	3349.5	3294.2	3045.8
55°	1303.0	2157.0	3134.3	2748.1	2442.8
57.5°	1162.7	2046.4	2802.6	2161.3	1827.8
60°	1013.9	1896.7	2373.9	1581.2	1318.4
62.5°	876.9	1710.5	1893.3	1100.6	947.5
65°	747.6	1494.4	1434.9	797.8	686.4
67.5°	610.7	1270.7	1058.9	581.8	510.3
70°	503.5	1063.2	788.5	452.5	410.8
72.5°	393.8	865.9	589.4	367.4	344.5
75°	301.1	699.2	461.0	315.6	299.4
77.5°	222.0	552.9	370.8	279.0	263.7
80°	155.7	435.5	310.5	249.2	243.3
82.5°	104.6	336.8	264.5	237.3	238.2
85°	63.8	249.2	234.8	229.6	232.2
87.5°	30.6	176.9	201.6	209.2	211.8
90°	0.9	90.2	154.8	176.9	181.2
92.5°	0.0	68.9	136.1	158.2	162.5
95°	1.7	52.7	123.3	144.6	148.8
97.5°	1.7	43.4	110.6	132.7	135.2
100°	2.6	37.4	98.7	119.9	122.5
102.5°	2.6	33.2	88.5	107.2	108.9
105°	3.4	29.8	80.0	96.1	97.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	20.4	56.1	68.0	69.7
115°	5.1	17.0	49.3	60.4	62.1
117.5°	6.0	15.3	43.4	53.6	54.4
120°	6.0	12.8	37.4	47.6	48.5
122.5°	6.0	10.2	33.2	42.5	43.4
125°	6.0	8.5	28.9	37.4	38.3
127.5°	5.1	6.0	24.7	33.2	34.0
130°	5.1	5.1	20.4	28.9	30.6
132.5°	5.1	5.1	17.0	25.5	27.2
135°	5.1	5.1	13.6	23.0	23.8
137.5°	5.1	5.1	11.1	19.6	21.3
140°	5.1	5.1	8.5	17.0	17.9
142.5°	6.0	5.1	7.7	14.5	15.3
145°	6.8	5.1	6.0	11.1	12.8
147.5°	6.8	6.0	6.0	9.4	10.2
150°	6.8	6.8	5.1	6.8	8.5
152.5°	6.8	6.8	5.1	5.1	6.8
155°	6.8	6.8	5.1	5.1	5.1
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°	4.3	26.4	71.4	85.9	87.6
110°	4.3	23.0	62.9	76.5	78.3



(END OF REPORT)