

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: P829835

Luminaire Tested: **OHBL-15SE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P829835  
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-15SE-MFL-UNV-L930-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

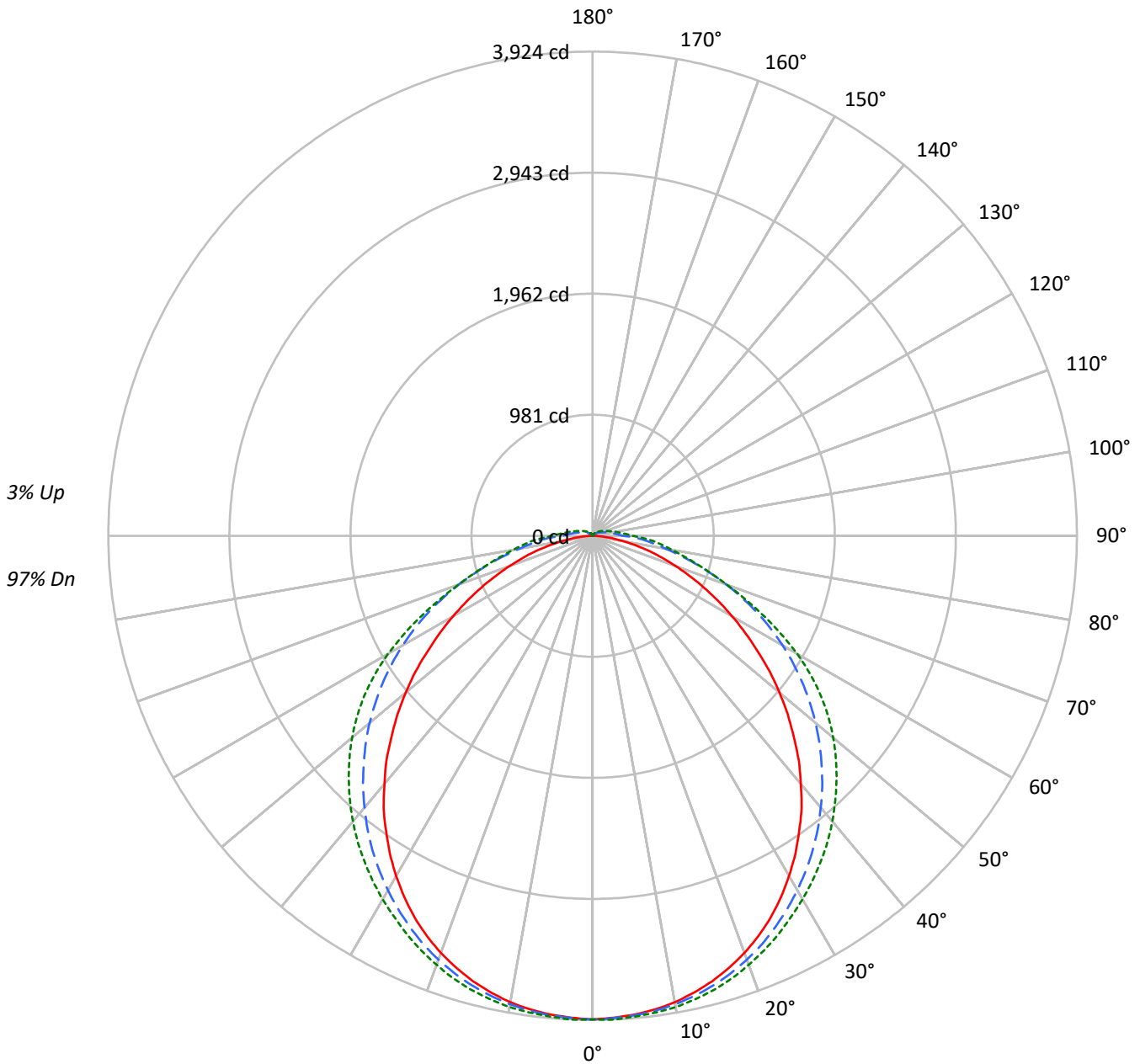
Lumens per Lamp: N/A  
Luminaire Lumens: 11733.0 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 87  
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									
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	12754	12754	12754
5°	12673	12558	12565
10°	12584	12373	12395
15°	12443	12169	12206
20°	12257	11935	11978
25°	12007	11662	11748
30°	11662	11371	11515
35°	11245	11065	11293
40°	10743	10720	11066
45°	10152	10348	10801
50°	9504	9966	10495
55°	8708	9512	10066
60°	7894	8986	9364
65°	7004	8335	8327
70°	6040	7529	7213
75°	5065	6600	6344
80°	3840	5798	5867
85°	2430	5491	5794



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.5	3.2
10°-20°	1065.7	9.1
20°-30°	1611.7	13.7
30°-40°	1934.9	16.5
40°-50°	1998.4	17.0
50°-60°	1797.9	15.3
60°-70°	1354.4	11.5
70°-80°	817.8	7.0
80°-90°	400.0	3.4
90°-100°	168.4	1.4
100°-110°	96.1	0.8
110°-120°	56.4	0.5
120°-130°	31.9	0.3
130°-140°	16.8	0.1
140°-150°	8.2	0.1
150°-160°	3.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3048.9	26.0
0°-40°	4983.7	42.5
0°-60°	8780.1	74.8
0°-90°	11352.2	96.8
90°-120°	320.9	2.7
90°-150°	377.7	3.2
90°-180°	381.0	3.2
0°-180°	11733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3920	3920	3920	3920	3920	
5°	3895	3906	3901	3916	3912	370
15°	3738	3756	3774	3805	3809	1054
25°	3414	3451	3500	3555	3563	1570
35°	2919	2987	3110	3204	3223	1825
45°	2304	2420	2622	2765	2795	1778
55°	1632	1801	2074	2231	2258	1463
65°	996	1199	1468	1541	1524	989
75°	469	674	850	872	864	501
85°	98	258	426	484	493	113
90°	0	101	244	307	320	6
95°	5	68	182	232	241	4
105°	7	39	106	138	144	7
115°	8	22	65	87	91	8
125°	8	11	39	57	60	7
135°	7	9	20	34	38	5
145°	10	9	10	17	20	6
155°	10	11	10	9	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°	3920.4	3920.4	3920.4	3920.4	3920.4
2.5°	3908.9	3918.4	3912.7	3925.2	3924.2
5°	3895.4	3906.0	3901.2	3916.5	3911.7
7.5°	3872.4	3883.9	3882.9	3900.2	3898.3
10°	3838.8	3851.3	3855.1	3878.2	3878.2
12.5°	3792.8	3809.1	3818.7	3846.5	3847.4
15°	3738.1	3756.3	3773.6	3805.2	3809.1
17.5°	3671.9	3694.9	3718.9	3755.3	3760.1
20°	3597.0	3622.9	3655.6	3693.9	3699.7
22.5°	3510.7	3541.4	3583.6	3628.7	3635.4
25°	3413.8	3451.2	3500.1	3554.8	3563.4
27.5°	3303.4	3346.6	3412.8	3474.2	3481.9
30°	3183.5	3234.4	3316.9	3389.8	3402.3
32.5°	3056.9	3115.4	3217.1	3298.6	3315.9
35°	2918.7	2986.8	3109.6	3203.6	3222.8
37.5°	2782.4	2857.3	2996.4	3103.9	3126.9
40°	2623.2	2716.2	2875.5	2994.5	3022.3
42.5°	2473.5	2574.2	2754.6	2884.1	2911.0
45°	2303.7	2419.8	2622.2	2765.2	2794.9
47.5°	2144.4	2270.1	2494.6	2642.4	2673.1
50°	1976.5	2114.7	2358.4	2512.8	2544.5
52.5°	1808.6	1957.3	2217.3	2377.6	2407.3
55°	1632.0	1800.9	2074.4	2230.8	2257.6
57.5°	1468.0	1646.4	1927.6	2076.3	2092.6
60°	1305.8	1491.0	1777.9	1908.4	1914.1
62.5°	1147.5	1342.3	1624.4	1728.0	1720.3
65°	995.9	1199.3	1468.0	1540.9	1523.6
67.5°	850.1	1060.2	1307.7	1354.8	1331.7
70°	711.9	924.9	1152.3	1176.3	1155.2
72.5°	590.1	796.4	995.0	1015.1	999.8
75°	469.2	673.5	850.1	872.2	863.5
77.5°	356.0	554.6	716.7	745.5	747.4
80°	256.2	446.2	600.6	645.7	651.5
82.5°	168.9	346.4	503.7	561.3	569.9
85°	97.9	258.1	426.0	484.5	493.2
87.5°	42.2	186.1	342.5	395.3	405.9
90°	0.0	100.7	243.7	307.0	319.5
92.5°	2.9	83.5	209.2	266.7	277.3
95°	4.8	68.1	182.3	232.2	240.8
97.5°	5.8	57.6	158.3	202.4	211.1
100°	5.8	49.9	137.2	177.5	185.2
102.5°	5.8	44.1	119.9	155.4	162.1
105°	6.7	39.3	105.5	138.2	143.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	7.7	25.9	72.9	97.9	101.7
115°	7.7	22.1	65.2	87.3	91.1
117.5°	8.6	19.2	57.6	78.7	81.6
120°	8.6	16.3	50.9	70.0	73.9
122.5°	8.6	13.4	45.1	63.3	66.2
125°	7.7	10.6	39.3	56.6	59.5
127.5°	6.7	8.6	33.6	50.9	53.7
130°	6.7	7.7	28.8	45.1	48.0
132.5°	6.7	8.6	24.0	39.3	43.2
135°	6.7	8.6	20.1	34.5	38.4
137.5°	6.7	8.6	16.3	29.7	33.6
140°	7.7	8.6	13.4	24.9	28.8
142.5°	8.6	8.6	10.6	21.1	24.0
145°	9.6	8.6	9.6	17.3	20.1
147.5°	9.6	9.6	9.6	13.4	16.3
150°	9.6	10.6	9.6	10.6	13.4
152.5°	9.6	10.6	9.6	8.6	10.6
155°	9.6	10.6	9.6	8.6	9.6
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°	6.7	34.5	93.1	122.8	127.6
110°	6.7	30.7	82.5	109.4	114.2



(END OF REPORT)