

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: P829871

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829871
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-15SE-W-UNV-L930-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

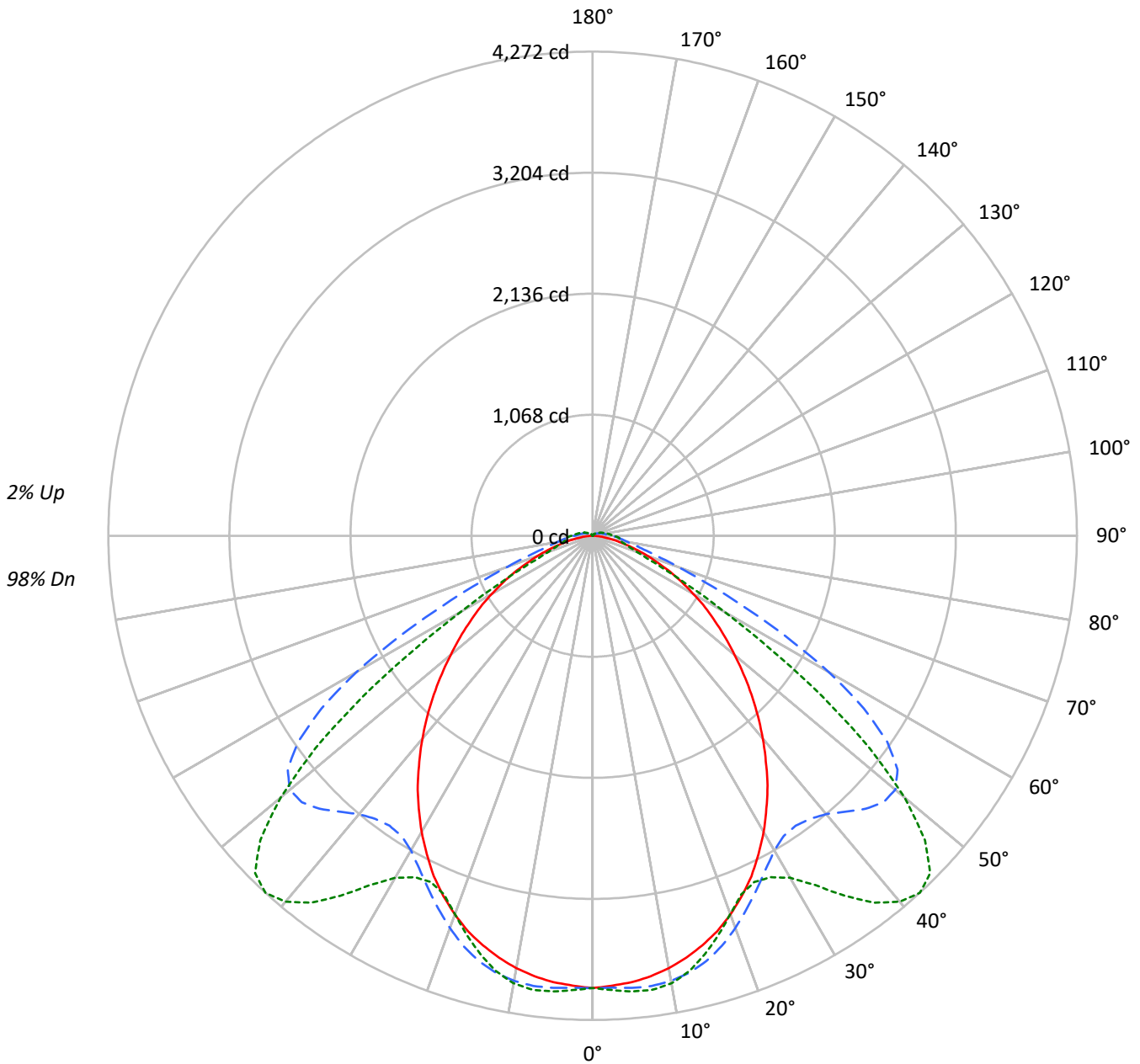
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11948.0 lumens
Efficiency: N/A
Efficacy: 137.3 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): 87
Input Voltage (V): NR
Input Current (A_{in}): 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°	12982	12982	12982
5°	12861	12892	12964
10°	12700	12802	12817
15°	12452	12521	12249
20°	12113	12022	11498
25°	11659	11437	11115
30°	11055	10986	11789
35°	10365	11114	13582
40°	9566	11949	15434
45°	8730	13444	16273
50°	7857	14727	14812
55°	7038	14548	11025
60°	6203	12145	6528
65°	5323	8247	3797
70°	4324	5215	2596
75°	3290	3622	2226
80°	2362	3033	2217
85°	1603	3062	2761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.3	3.2
10°-20°	1079.8	9.0
20°-30°	1580.1	13.2
30°-40°	2052.1	17.2
40°-50°	2505.9	21.0
50°-60°	2206.8	18.5
60°-70°	1150.0	9.6
70°-80°	493.2	4.1
80°-90°	236.8	2.0
90°-100°	111.3	0.9
100°-110°	69.2	0.6
110°-120°	40.9	0.3
120°-130°	22.2	0.2
130°-140°	11.2	0.1
140°-150°	5.4	0.0
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3041.3	25.5
0°-40°	5093.4	42.6
0°-60°	9806.1	82.1
0°-90°	11686.1	97.8
90°-120°	221.3	1.9
90°-150°	260.1	2.2
90°-180°	262.0	2.2
0°-180°	11948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3990	3990	3990	3990	3990	
5°	3953	3984	4005	4040	4036	375
15°	3741	3846	3883	3854	3822	1053
25°	3315	3492	3432	3368	3371	1521
35°	2690	2974	3124	3643	3876	1677
45°	1981	2492	3407	4125	4211	1527
55°	1319	2183	3172	2782	2473	1184
65°	757	1513	1452	808	695	749
75°	305	708	467	319	303	332
85°	65	252	238	232	235	72
90°	1	91	157	179	183	4
95°	2	53	125	146	151	1
105°	3	30	81	97	99	4
115°	5	17	50	61	63	5
125°	6	9	29	38	39	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-15SE-W-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3990.4	3990.4	3990.4	3990.4	3990.4
2.5°	3973.2	3990.4	3991.3	4015.4	4012.8
5°	3953.4	3983.5	4005.0	4040.3	4036.0
7.5°	3920.7	3968.0	4005.9	4044.7	4041.2
10°	3874.2	3938.8	3988.7	4020.5	4010.2
12.5°	3813.9	3899.2	3948.2	3955.1	3935.3
15°	3740.7	3845.8	3882.8	3853.5	3822.5
17.5°	3658.1	3781.2	3794.1	3730.4	3691.7
20°	3554.8	3695.1	3682.2	3594.4	3551.3
22.5°	3440.3	3600.4	3559.1	3467.0	3425.6
25°	3314.6	3491.9	3432.5	3368.0	3371.4
27.5°	3167.4	3368.8	3311.1	3340.4	3395.5
30°	3017.6	3239.7	3204.4	3374.8	3483.3
32.5°	2853.1	3107.1	3139.0	3475.6	3652.9
35°	2690.4	2974.5	3123.5	3642.6	3875.9
37.5°	2510.5	2840.2	3148.4	3835.4	4080.0
40°	2335.7	2709.3	3205.2	4008.5	4215.1
42.5°	2157.5	2592.3	3300.8	4110.9	4271.9
45°	1981.0	2492.4	3406.7	4124.7	4210.8
47.5°	1804.5	2408.0	3479.9	4015.4	3975.8
50°	1634.0	2333.1	3485.0	3752.8	3590.9
52.5°	1474.8	2264.2	3390.3	3334.4	3083.0
55°	1318.9	2183.3	3172.5	2781.7	2472.6
57.5°	1176.9	2071.4	2836.8	2187.6	1850.1
60°	1026.2	1919.9	2402.9	1600.5	1334.4
62.5°	887.6	1731.3	1916.4	1114.0	959.1
65°	756.8	1512.7	1452.4	807.6	694.8
67.5°	618.1	1286.2	1071.9	588.9	516.6
70°	509.7	1076.2	798.1	458.0	415.8
72.5°	398.6	876.4	596.6	371.9	348.7
75°	304.8	707.7	466.6	319.4	303.0
77.5°	224.7	559.6	375.4	282.4	266.9
80°	157.6	440.8	314.2	252.3	246.2
82.5°	105.9	340.9	267.7	240.2	241.1
85°	64.6	252.3	237.6	232.5	235.0
87.5°	31.0	179.1	204.0	211.8	214.4
90°	0.9	91.3	156.7	179.1	183.4
92.5°	0.0	69.7	137.7	160.1	164.4
95°	1.7	53.4	124.8	146.4	150.7
97.5°	1.7	43.9	111.9	134.3	136.9
100°	2.6	37.9	99.9	121.4	124.0
102.5°	2.6	33.6	89.5	108.5	110.2
105°	3.4	30.1	80.9	97.3	99.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	20.7	56.8	68.9	70.6
115°	5.2	17.2	49.9	61.1	62.8
117.5°	6.0	15.5	43.9	54.2	55.1
120°	6.0	12.9	37.9	48.2	49.1
122.5°	6.0	10.3	33.6	43.0	43.9
125°	6.0	8.6	29.3	37.9	38.7
127.5°	5.2	6.0	25.0	33.6	34.4
130°	5.2	5.2	20.7	29.3	31.0
132.5°	5.2	5.2	17.2	25.8	27.5
135°	5.2	5.2	13.8	23.2	24.1
137.5°	5.2	5.2	11.2	19.8	21.5
140°	5.2	5.2	8.6	17.2	18.1
142.5°	6.0	5.2	7.7	14.6	15.5
145°	6.9	5.2	6.0	11.2	12.9
147.5°	6.9	6.0	6.0	9.5	10.3
150°	6.9	6.9	5.2	6.9	8.6
152.5°	6.9	6.9	5.2	5.2	6.9
155°	6.9	6.9	5.2	5.2	5.2
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°	4.3	26.7	72.3	87.0	88.7
110°	4.3	23.2	63.7	77.5	79.2



(END OF REPORT)