

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: P829811

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-A-UNV-L930-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

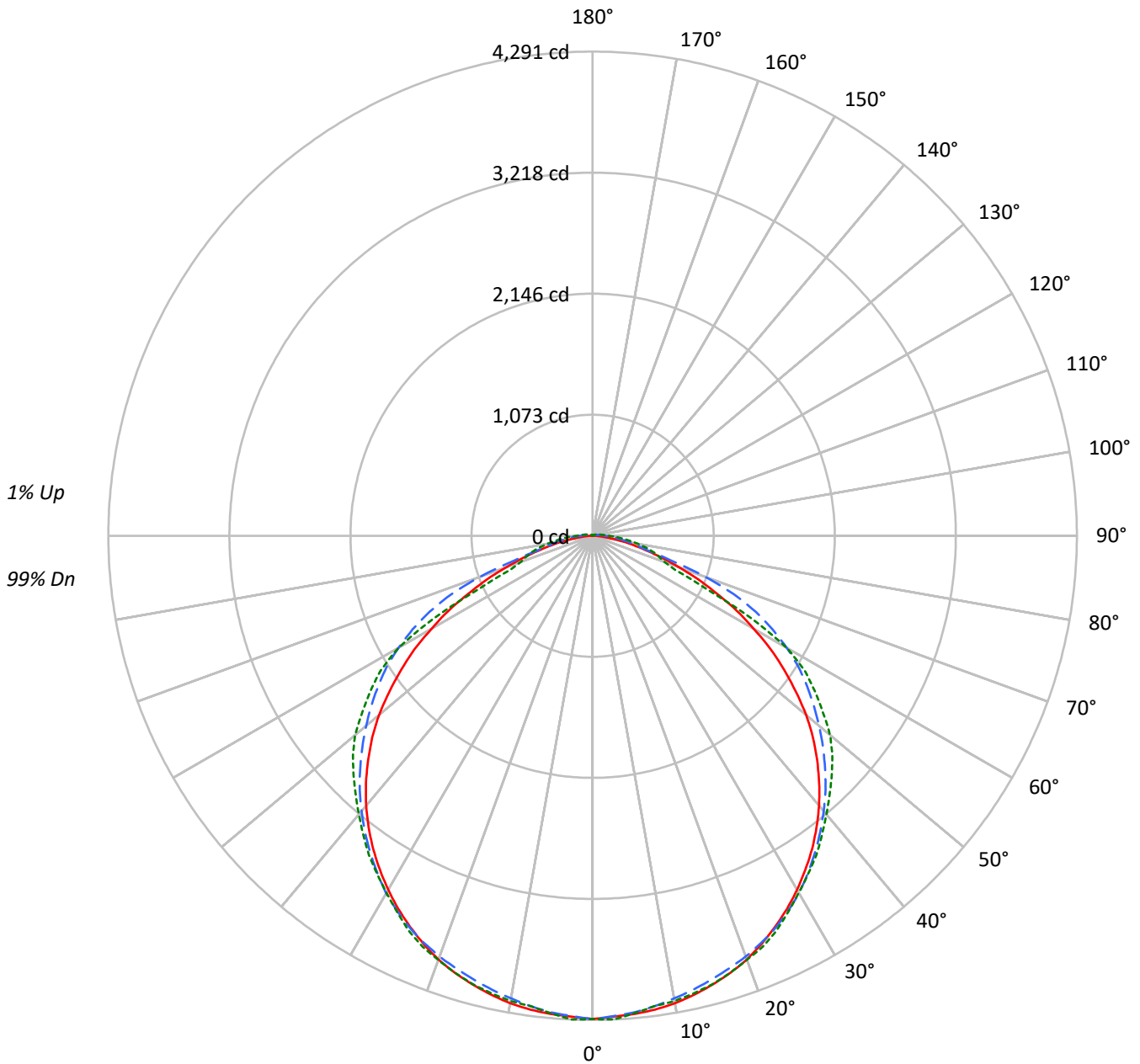
Lumens per Lamp: N/A
Luminaire Lumens: 12105.0 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13933	13933	13933
5°	13842	13649	13644
10°	13791	13362	13380
15°	13704	13130	13179
20°	13616	12954	12950
25°	13452	12776	12721
30°	13273	12540	12363
35°	13060	12214	12108
40°	12782	11875	11800
45°	12397	11493	11578
50°	11875	11064	11326
55°	11047	10629	10724
60°	9961	10038	9719
65°	8545	9058	6007
70°	6883	6903	4215
75°	5161	3962	4085
80°	3593	3127	3636
85°	2045	2610	3012



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.8	3.3
10°-20°	1158.0	9.6
20°-30°	1768.6	14.6
30°-40°	2145.9	17.7
40°-50°	2249.1	18.6
50°-60°	2038.1	16.8
60°-70°	1366.4	11.3
70°-80°	613.6	5.1
80°-90°	222.7	1.8
90°-100°	67.0	0.6
100°-110°	31.6	0.3
110°-120°	15.9	0.1
120°-130°	8.8	0.1
130°-140°	6.0	0.0
140°-150°	4.0	0.0
150°-160°	3.0	0.0
160°-170°	1.9	0.0
170°-180°	0.6	0.0
0°-30°	3330.4	27.5
0°-40°	5476.3	45.2
0°-60°	9763.5	80.7
0°-90°	11966.2	98.9
90°-120°	114.5	0.9
90°-150°	133.3	1.1
90°-180°	139.0	1.1
0°-180°	12105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4283	4283	4283	4283	4283	
5°	4255	4270	4240	4253	4248	405
15°	4117	4101	4072	4108	4112	1162
25°	3824	3808	3834	3870	3859	1763
35°	3390	3398	3432	3469	3455	2119
45°	2813	2859	2912	2987	2996	2167
55°	2070	2170	2318	2411	2405	1848
65°	1215	1405	1595	1346	1099	1211
75°	478	694	510	522	556	522
85°	82	158	202	245	256	101
90°	1	53	105	131	138	5
95°	1	33	72	87	90	1
105°	2	14	35	43	45	3
115°	5	7	18	23	24	5
125°	4	5	11	13	14	4
135°	6	6	7	10	10	4
145°	6	6	6	7	7	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: OHBL-15SE-A-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4282.8	4282.8	4282.8	4282.8	4282.8
2.5°	4265.4	4283.4	4261.1	4285.2	4291.4
5°	4254.9	4269.8	4240.0	4253.0	4247.5
7.5°	4235.7	4240.6	4205.4	4215.9	4204.7
10°	4207.2	4204.7	4163.2	4183.7	4186.2
12.5°	4165.1	4157.7	4120.5	4151.5	4152.1
15°	4116.8	4100.7	4071.6	4107.5	4112.5
17.5°	4061.1	4040.0	4020.8	4067.3	4059.8
20°	3996.0	3971.3	3967.6	4018.3	3999.8
22.5°	3915.5	3896.3	3905.0	3953.3	3941.6
25°	3824.5	3807.8	3834.4	3869.7	3858.6
27.5°	3728.5	3718.6	3749.0	3776.2	3754.5
30°	3623.3	3617.7	3657.9	3680.2	3653.0
32.5°	3508.7	3510.5	3548.9	3579.3	3553.9
35°	3389.8	3397.8	3432.5	3469.1	3455.4
37.5°	3259.1	3277.1	3311.8	3353.3	3339.0
40°	3121.0	3147.0	3185.4	3235.6	3222.6
42.5°	2971.8	3004.6	3054.2	3109.9	3108.7
45°	2813.3	2859.1	2912.4	2986.7	2995.9
47.5°	2648.5	2699.9	2767.4	2866.5	2880.8
50°	2469.6	2534.0	2618.2	2737.1	2745.8
52.5°	2270.2	2358.1	2469.6	2583.5	2573.0
55°	2070.2	2169.9	2317.9	2410.8	2405.2
57.5°	1870.8	1982.9	2162.4	2228.7	2228.1
60°	1647.8	1789.6	1985.9	2036.1	1986.6
62.5°	1441.6	1594.0	1797.7	1761.2	1591.5
65°	1215.0	1405.1	1595.2	1346.3	1099.2
67.5°	1013.7	1211.9	1354.9	922.1	789.5
70°	811.2	1029.8	1056.4	684.3	675.0
72.5°	631.6	864.5	728.9	585.8	615.5
75°	478.1	693.6	510.3	522.0	556.1
77.5°	348.6	532.6	396.9	457.6	485.5
80°	239.7	377.1	323.9	384.6	403.8
82.5°	150.5	248.9	259.5	309.6	329.4
85°	82.4	157.9	202.5	244.6	256.4
87.5°	34.1	95.4	154.8	188.9	198.8
90°	0.6	52.6	104.7	131.3	137.5
92.5°	0.6	40.3	85.5	105.9	110.2
95°	0.6	32.8	71.8	87.3	89.8
97.5°	1.2	26.0	60.1	72.5	74.9
100°	1.9	21.7	50.2	60.7	62.5
102.5°	2.5	17.3	42.1	50.8	52.6
105°	2.5	14.2	35.3	42.7	44.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.3	8.7	21.1	26.6	27.9
115°	5.0	7.4	18.0	22.9	24.2
117.5°	5.0	6.2	15.5	19.2	20.4
120°	5.0	5.6	13.6	16.7	17.3
122.5°	5.0	5.0	11.8	14.9	15.5
125°	4.3	5.0	11.1	13.0	13.6
127.5°	5.0	5.0	9.9	11.8	12.4
130°	5.0	5.6	8.7	11.1	11.1
132.5°	5.6	6.2	8.1	10.5	10.5
135°	5.6	6.2	6.8	9.9	10.5
137.5°	6.2	6.2	6.2	9.3	9.9
140°	6.2	6.2	5.6	8.1	8.7
142.5°	5.6	6.2	5.6	7.4	8.1
145°	5.6	6.2	6.2	6.8	7.4
147.5°	6.2	6.2	6.2	6.2	6.8
150°	6.2	6.2	6.2	6.2	6.2
152.5°	6.2	6.2	6.2	6.2	6.2
155°	6.2	6.8	6.8	6.8	6.2
157.5°	6.2	6.8	6.8	6.8	6.8
160°	6.2	6.8	6.8	6.8	6.8
162.5°	6.8	6.8	6.8	6.8	6.8
165°	6.8	6.8	6.8	6.8	6.8
167.5°	6.8	7.4	6.8	6.8	6.8
170°	6.8	6.8	6.8	6.2	6.2
172.5°	6.8	6.8	6.8	6.2	6.2
175°	6.8	6.8	6.2	5.6	5.6
177.5°	7.4	6.8	6.2	5.6	5.0
180°	6.2	6.2	6.2	6.2	6.2



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	3.1	11.8	30.3	36.5	37.8
110°	3.7	9.9	25.4	31.0	32.2



(END OF REPORT)