

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: P829872

Luminaire Tested: **OHBL-15SE-W-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829872
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-L935-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

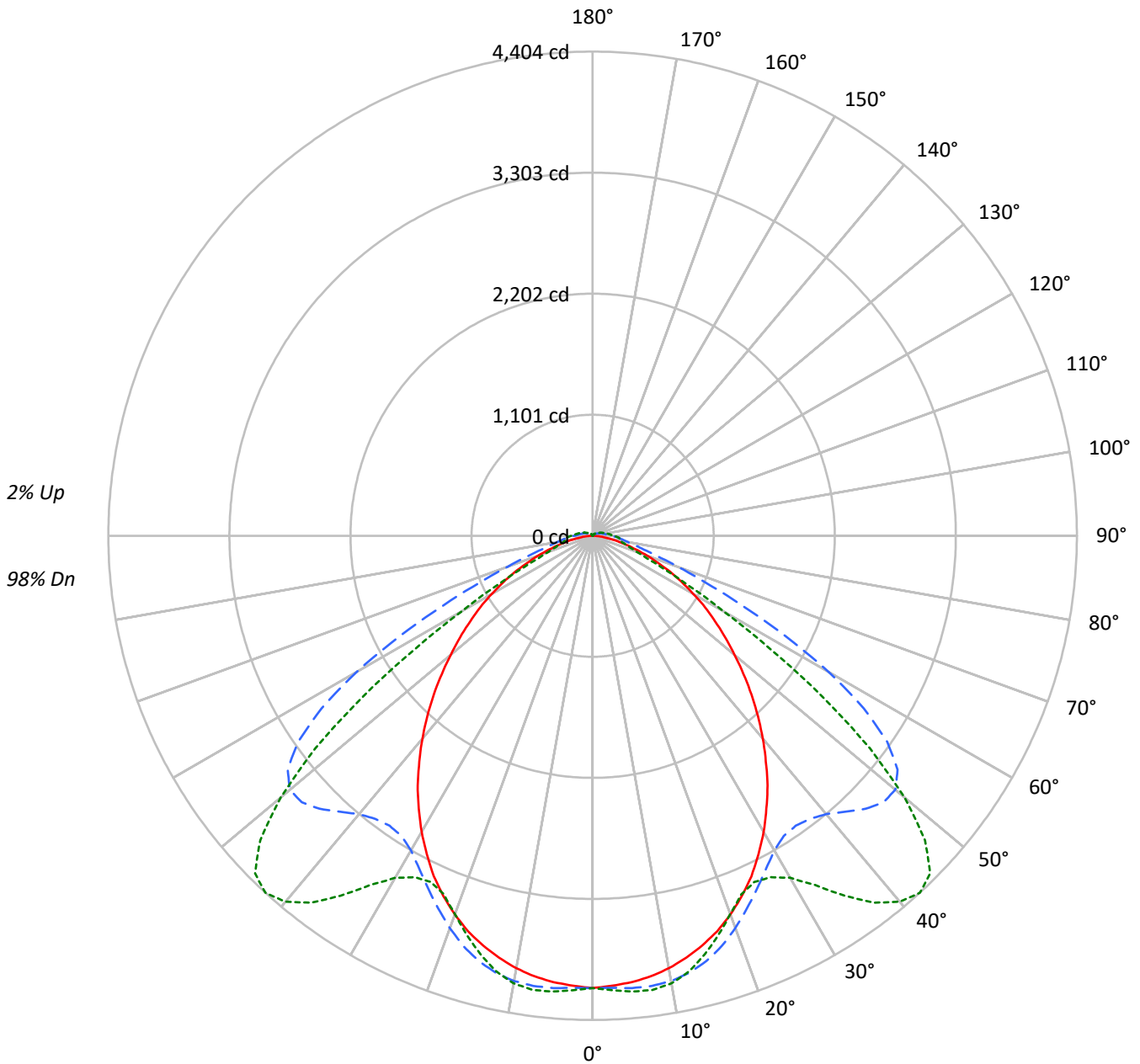
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12318.0 lumens
Efficiency: N/A
Efficacy: 141.6 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): 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°	13384	13384	13384
5°	13259	13292	13366
10°	13093	13199	13214
15°	12838	12909	12629
20°	12488	12395	11854
25°	12019	11791	11459
30°	11397	11326	12154
35°	10686	11458	14002
40°	9862	12319	15912
45°	9000	13860	16777
50°	8101	15183	15270
55°	7256	14999	11366
60°	6396	12521	6731
65°	5487	8502	3915
70°	4459	5376	2677
75°	3391	3735	2295
80°	2434	3128	2286
85°	1653	3158	2846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	3.2
10°-20°	1113.2	9.0
20°-30°	1629.0	13.2
30°-40°	2115.7	17.2
40°-50°	2583.5	21.0
50°-60°	2275.2	18.5
60°-70°	1185.6	9.6
70°-80°	508.4	4.1
80°-90°	244.2	2.0
90°-100°	114.7	0.9
100°-110°	71.3	0.6
110°-120°	42.2	0.3
120°-130°	22.9	0.2
130°-140°	11.5	0.1
140°-150°	5.5	0.0
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3135.4	25.5
0°-40°	5251.1	42.6
0°-60°	10109.7	82.1
0°-90°	12047.9	97.8
90°-120°	228.2	1.9
90°-150°	268.1	2.2
90°-180°	270.0	2.2
0°-180°	12318.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4076	4107	4129	4166	4161	387
15°	3857	3965	4003	3973	3941	1086
25°	3417	3600	3539	3472	3476	1568
35°	2774	3067	3220	3755	3996	1729
45°	2042	2570	3512	4252	4341	1575
55°	1360	2251	3271	2868	2549	1220
65°	780	1560	1497	833	716	772
75°	314	730	481	329	312	343
85°	67	260	245	240	242	74
90°	1	94	162	185	189	5
95°	2	55	129	151	155	1
105°	4	31	83	100	102	4
115°	5	18	52	63	65	5
125°	6	9	30	39	40	5
135°	5	5	14	24	25	4
145°	7	5	6	12	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	



TEST NUMBER: P829872

CATALOG NUMBER: OHBL-15SE-W-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4096.2	4114.0	4114.9	4139.7	4137.1
5°	4075.8	4106.9	4129.1	4165.5	4161.0
7.5°	4042.1	4090.9	4130.0	4169.9	4166.4
10°	3994.2	4060.7	4112.2	4145.1	4134.4
12.5°	3932.0	4019.9	4070.5	4077.6	4057.2
15°	3856.6	3964.9	4003.0	3972.9	3940.9
17.5°	3771.4	3898.3	3911.6	3845.9	3806.0
20°	3664.9	3809.5	3796.2	3705.7	3661.3
22.5°	3546.8	3711.9	3669.3	3574.3	3531.7
25°	3417.2	3600.1	3538.8	3472.3	3475.8
27.5°	3265.4	3473.1	3413.7	3443.9	3500.7
30°	3111.0	3340.0	3303.6	3479.4	3591.2
32.5°	2941.5	3203.3	3236.2	3583.2	3766.1
35°	2773.7	3066.6	3220.2	3755.4	3995.9
37.5°	2588.2	2928.2	3245.9	3954.2	4206.3
40°	2408.0	2793.3	3304.5	4132.6	4345.6
42.5°	2224.3	2672.5	3403.0	4238.2	4404.2
45°	2042.3	2569.6	3512.2	4252.5	4341.2
47.5°	1860.4	2482.6	3587.6	4139.7	4098.9
50°	1684.6	2405.4	3593.0	3869.0	3702.1
52.5°	1520.4	2334.4	3495.3	3437.6	3178.5
55°	1359.8	2250.9	3270.8	2867.8	2549.2
57.5°	1213.3	2135.5	2924.6	2255.4	1907.4
60°	1058.0	1979.3	2477.3	1650.0	1375.8
62.5°	915.1	1784.9	1975.8	1148.5	988.8
65°	780.2	1559.5	1497.4	832.6	716.3
67.5°	637.3	1326.1	1105.1	607.1	532.6
70°	525.5	1109.5	822.8	472.2	428.7
72.5°	411.0	903.6	615.1	383.4	359.5
75°	314.2	729.6	481.1	329.3	312.4
77.5°	231.7	576.9	387.0	291.1	275.2
80°	162.4	454.4	324.0	260.1	253.9
82.5°	109.2	351.5	276.0	247.6	248.5
85°	66.6	260.1	245.0	239.6	242.3
87.5°	32.0	184.6	210.4	218.3	221.0
90°	0.9	94.1	161.5	184.6	189.1
92.5°	0.0	71.9	142.0	165.1	169.5
95°	1.8	55.0	128.7	150.9	155.3
97.5°	1.8	45.3	115.4	138.5	141.1
100°	2.7	39.1	103.0	125.2	127.8
102.5°	2.7	34.6	92.3	111.8	113.6
105°	3.6	31.1	83.4	100.3	102.1



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CATALOG NUMBER: OHBL-15SE-W-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	21.3	58.6	71.0	72.8
115°	5.3	17.8	51.5	63.0	64.8
117.5°	6.2	16.0	45.3	55.9	56.8
120°	6.2	13.3	39.1	49.7	50.6
122.5°	6.2	10.7	34.6	44.4	45.3
125°	6.2	8.9	30.2	39.1	39.9
127.5°	5.3	6.2	25.7	34.6	35.5
130°	5.3	5.3	21.3	30.2	32.0
132.5°	5.3	5.3	17.8	26.6	28.4
135°	5.3	5.3	14.2	24.0	24.9
137.5°	5.3	5.3	11.5	20.4	22.2
140°	5.3	5.3	8.9	17.8	18.6
142.5°	6.2	5.3	8.0	15.1	16.0
145°	7.1	5.3	6.2	11.5	13.3
147.5°	7.1	6.2	6.2	9.8	10.7
150°	7.1	7.1	5.3	7.1	8.9
152.5°	7.1	7.1	5.3	5.3	7.1
155°	7.1	7.1	5.3	5.3	5.3
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°	4.4	27.5	74.6	89.6	91.4
110°	4.4	24.0	65.7	79.9	81.7



(END OF REPORT)