

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: P829847

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L930-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

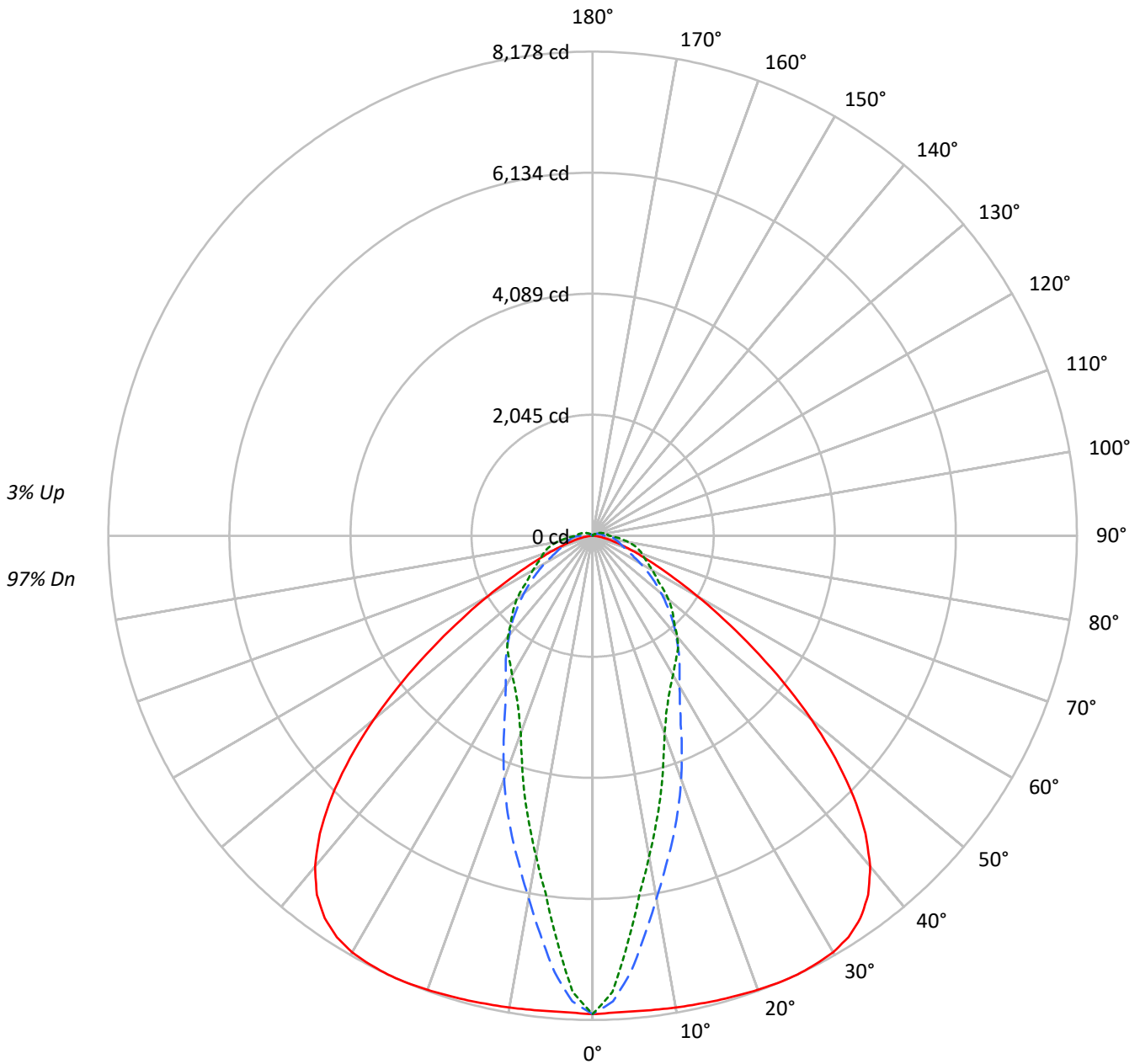
Lumens per Lamp: N/A
Luminaire Lumens: 11924.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P829847

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

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	88	86	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	79	76	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	72	67	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	65	60	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	59	54	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	55	49	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	50	45	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	47	41	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	44	38	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	41	35	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26284	26284	26284
5°	26231	23804	22081
10°	26526	19941	17570
15°	27045	16961	14309
20°	27804	14260	11482
25°	28766	11734	9978
30°	29760	10046	9189
35°	30380	9095	8673
40°	29860	8155	8145
45°	27470	7310	7456
50°	23176	6398	6908
55°	17610	5543	6055
60°	12341	4691	5692
65°	8301	3973	5446
70°	5669	3647	5545
75°	3934	3647	5682
80°	2708	3853	5491
85°	1584	4430	5158



TEST NUMBER: P829847

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.1	5.7
10°-20°	1599.9	13.4
20°-30°	2005.4	16.8
30°-40°	2128.0	17.8
40°-50°	1924.0	16.1
50°-60°	1395.1	11.7
60°-70°	875.5	7.3
70°-80°	579.4	4.9
80°-90°	333.8	2.8
90°-100°	161.7	1.4
100°-110°	111.6	0.9
110°-120°	68.9	0.6
120°-130°	33.4	0.3
130°-140°	15.3	0.1
140°-150°	8.4	0.1
150°-160°	3.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4285.4	35.9
0°-40°	6413.4	53.8
0°-60°	9732.5	81.6
0°-90°	11521.1	96.6
90°-120°	342.2	2.9
90°-150°	399.3	3.3
90°-180°	403.0	3.4
0°-180°	11924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8079	8079	8079	8079	8079	
5°	8063	7856	7395	7052	6874	771
15°	8124	6622	5260	4677	4465	2304
25°	8178	5120	3522	3126	3026	3778
35°	7885	3404	2556	2476	2475	4902
45°	6234	2156	1852	1897	1929	4749
55°	3300	1336	1209	1311	1358	2982
65°	1180	775	700	897	996	1228
75°	364	418	470	730	774	406
85°	64	173	344	478	439	77
90°	0	72	199	281	283	4
95°	3	51	175	238	249	3
105°	6	34	128	169	174	6
115°	8	24	86	108	110	8
125°	9	12	44	55	55	8
135°	8	9	19	30	30	6
145°	9	10	12	18	17	6
155°	9	12	12	13	12	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829847

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8079.1	8079.1	8079.1	8079.1	8079.1
2.5°	8062.2	8016.1	7872.3	7784.6	7710.8
5°	8063.0	7856.2	7394.8	7051.9	6874.2
7.5°	8074.5	7614.7	6783.5	6282.9	6087.6
10°	8092.2	7315.6	6213.0	5679.3	5497.1
12.5°	8105.3	6978.8	5710.8	5162.6	4962.7
15°	8124.5	6622.0	5259.5	4677.4	4465.2
17.5°	8142.2	6286.0	4813.5	4205.3	3969.2
20°	8159.9	5923.8	4367.5	3740.8	3546.3
22.5°	8176.8	5541.7	3932.3	3380.2	3247.2
25°	8178.3	5120.3	3521.7	3125.7	3026.5
27.5°	8158.3	4683.6	3188.8	2912.7	2851.2
30°	8123.7	4259.9	2930.4	2758.9	2715.1
32.5°	8037.6	3827.7	2730.5	2610.5	2585.1
35°	7885.4	3404.1	2555.9	2476.0	2475.2
37.5°	7645.5	3028.0	2366.8	2352.9	2369.8
40°	7291.0	2698.9	2187.6	2224.5	2224.5
42.5°	6818.1	2412.9	2025.4	2063.0	2053.0
45°	6233.7	2156.1	1852.4	1896.9	1929.2
47.5°	5556.3	1930.0	1675.5	1761.6	1806.2
50°	4819.7	1714.7	1514.0	1624.0	1674.7
52.5°	4047.6	1515.6	1356.4	1482.5	1523.3
55°	3300.2	1336.4	1208.8	1311.0	1357.9
57.5°	2623.6	1165.7	1064.2	1161.1	1258.0
60°	2041.5	1018.8	928.1	1066.5	1163.4
62.5°	1559.4	888.1	800.5	978.1	1075.0
65°	1180.3	775.1	699.7	896.6	996.5
67.5°	889.7	677.4	621.3	837.4	935.0
70°	668.2	582.8	558.2	800.5	888.1
72.5°	493.7	496.0	508.3	768.2	835.1
75°	364.5	417.5	469.8	729.7	773.5
77.5°	260.7	346.0	435.2	683.6	699.0
80°	180.7	282.2	399.1	622.8	609.8
82.5°	113.0	226.1	366.8	555.9	519.8
85°	63.8	173.0	343.7	478.3	439.1
87.5°	28.5	129.2	300.7	372.9	348.3
90°	0.0	72.3	199.2	280.7	283.0
92.5°	1.5	60.0	183.8	256.8	264.5
95°	3.1	50.7	175.3	238.4	249.1
97.5°	3.8	44.6	164.6	221.5	230.7
100°	4.6	40.0	151.5	203.8	211.5
102.5°	5.4	36.9	139.2	185.3	191.5
105°	6.2	33.8	127.6	169.2	173.8



TEST NUMBER: P829847

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.7	26.1	96.1	121.5	125.3
115°	8.5	23.8	86.1	107.7	110.0
117.5°	9.2	20.8	75.4	94.6	95.3
120°	9.2	18.5	64.6	80.7	80.7
122.5°	9.2	15.4	53.8	66.9	66.1
125°	9.2	12.3	43.8	55.4	54.6
127.5°	8.5	10.0	35.4	46.1	45.4
130°	8.5	10.0	28.5	39.2	39.2
132.5°	7.7	9.2	23.1	33.8	33.8
135°	7.7	9.2	19.2	30.0	30.0
137.5°	7.7	10.0	16.1	26.1	26.1
140°	7.7	9.2	13.8	23.1	23.1
142.5°	8.5	9.2	12.3	20.0	20.0
145°	9.2	10.0	11.5	17.7	16.9
147.5°	9.2	10.8	11.5	15.4	14.6
150°	9.2	11.5	11.5	13.8	13.1
152.5°	9.2	11.5	11.5	13.1	12.3
155°	9.2	11.5	12.3	13.1	11.5
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°	6.2	31.5	116.9	151.5	156.9
110°	6.9	28.5	106.9	135.3	140.7



(END OF REPORT)