

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: P828959

Luminaire Tested: **OHB-15SE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828959
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: OHB-15SE-MCL-UNV-L930-CD
Description: 15000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

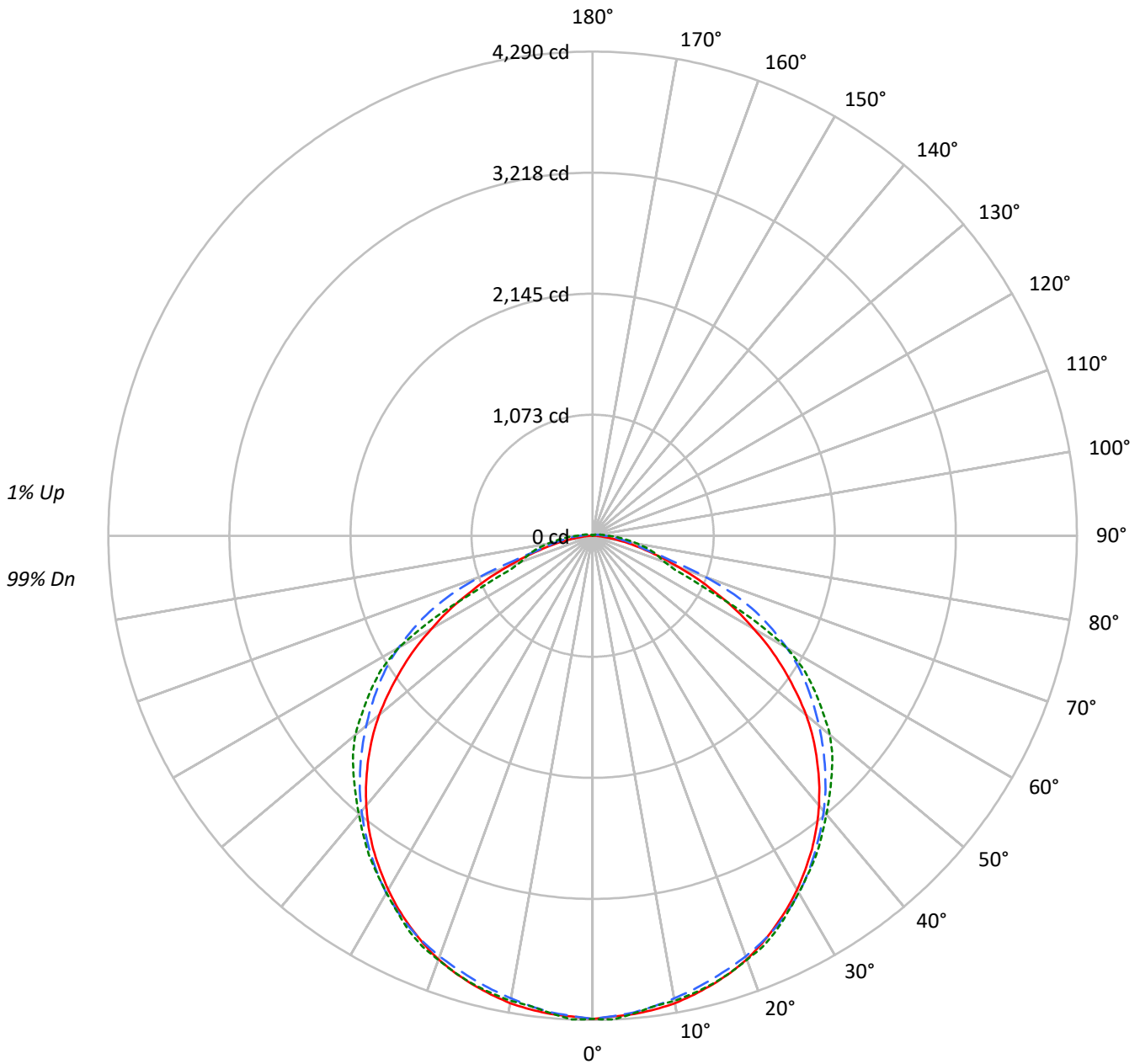
Lumens per Lamp: N/A
Luminaire Lumens: 12100.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.1
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°	27240	27240	27240
5°	26962	26615	26674
10°	26765	25991	26157
15°	26496	25474	25764
20°	26224	25069	25317
25°	25802	24659	24869
30°	25348	24137	24170
35°	24821	23440	23672
40°	24164	22718	23069
45°	23296	21908	22635
50°	22159	21007	22141
55°	20439	20088	20966
60°	18238	18867	19000
65°	15432	16910	11744
70°	12197	12777	8239
75°	8889	7248	7987
80°	5896	5622	7108
85°	3026	4565	5889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.7	3.3
10°-20°	1157.5	9.6
20°-30°	1767.9	14.6
30°-40°	2145.0	17.7
40°-50°	2248.2	18.6
50°-60°	2037.2	16.8
60°-70°	1365.9	11.3
70°-80°	613.3	5.1
80°-90°	222.6	1.8
90°-100°	67.0	0.6
100°-110°	31.6	0.3
110°-120°	15.8	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°	3329.0	27.5
0°-40°	5474.0	45.2
0°-60°	9759.4	80.7
0°-90°	11961.2	98.9
90°-120°	114.4	0.9
90°-150°	133.2	1.1
90°-180°	139.0	1.1
0°-180°	12100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4281	4281	4281	4281	4281	
5°	4253	4268	4238	4251	4246	405
15°	4115	4099	4070	4106	4111	1162
25°	3823	3806	3833	3868	3857	1762
35°	3388	3396	3431	3468	3454	2118
45°	2812	2858	2911	2985	2995	2166
55°	2069	2169	2317	2410	2404	1847
65°	1214	1404	1594	1346	1099	1210
75°	478	693	510	522	556	522
85°	82	158	202	244	256	100
90°	1	53	105	131	137	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: OHB-15SE-MCL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4281.0	4281.0	4281.0	4281.0	4281.0
2.5°	4263.7	4281.6	4259.3	4283.5	4289.7
5°	4253.1	4268.0	4238.3	4251.3	4245.7
7.5°	4233.9	4238.9	4203.6	4214.1	4203.0
10°	4205.5	4203.0	4161.5	4182.0	4184.4
12.5°	4163.4	4156.0	4118.8	4149.8	4150.4
15°	4115.1	4099.0	4069.9	4105.8	4110.8
17.5°	4059.4	4038.3	4019.2	4065.6	4058.2
20°	3994.4	3969.6	3965.9	4016.7	3998.1
22.5°	3913.9	3894.7	3903.4	3951.7	3939.9
25°	3822.9	3806.2	3832.8	3868.1	3857.0
27.5°	3727.0	3717.1	3747.4	3774.6	3753.0
30°	3621.8	3616.2	3656.4	3678.7	3651.5
32.5°	3507.2	3509.1	3547.5	3577.8	3552.4
35°	3388.4	3396.4	3431.1	3467.6	3454.0
37.5°	3257.8	3275.7	3310.4	3351.9	3337.6
40°	3119.7	3145.7	3184.1	3234.3	3221.3
42.5°	2970.6	3003.4	3052.9	3108.6	3107.4
45°	2812.1	2857.9	2911.1	2985.4	2994.7
47.5°	2647.5	2698.8	2766.3	2865.3	2879.6
50°	2468.6	2532.9	2617.1	2736.0	2744.6
52.5°	2269.2	2357.1	2468.6	2582.5	2571.9
55°	2069.3	2169.0	2316.9	2409.8	2404.2
57.5°	1870.0	1982.0	2161.5	2227.8	2227.2
60°	1647.2	1788.9	1985.1	2035.3	1985.7
62.5°	1441.0	1593.3	1797.0	1760.4	1590.8
65°	1214.5	1404.5	1594.5	1345.7	1098.7
67.5°	1013.3	1211.4	1354.4	921.7	789.2
70°	810.9	1029.4	1056.0	684.0	674.7
72.5°	631.4	864.1	728.6	585.6	615.3
75°	477.9	693.3	510.1	521.8	555.9
77.5°	348.5	532.3	396.8	457.4	485.3
80°	239.6	377.0	323.7	384.4	403.6
82.5°	150.4	248.8	259.4	309.5	329.3
85°	82.3	157.8	202.4	244.5	256.3
87.5°	34.0	95.3	154.7	188.8	198.7
90°	0.6	52.6	104.6	131.2	137.4
92.5°	0.6	40.2	85.4	105.8	110.2
95°	0.6	32.8	71.8	87.3	89.8
97.5°	1.2	26.0	60.0	72.4	74.9
100°	1.9	21.7	50.1	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	21.0	26.6	27.9
115°	5.0	7.4	18.0	22.9	24.1
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	8.0	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	8.0	8.7
142.5°	5.6	6.2	5.6	7.4	8.0
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	30.9	32.2



(END OF REPORT)