

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: P829828

Luminaire Tested: **OHBL-15SE-MFL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MFL-UNV-L735-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

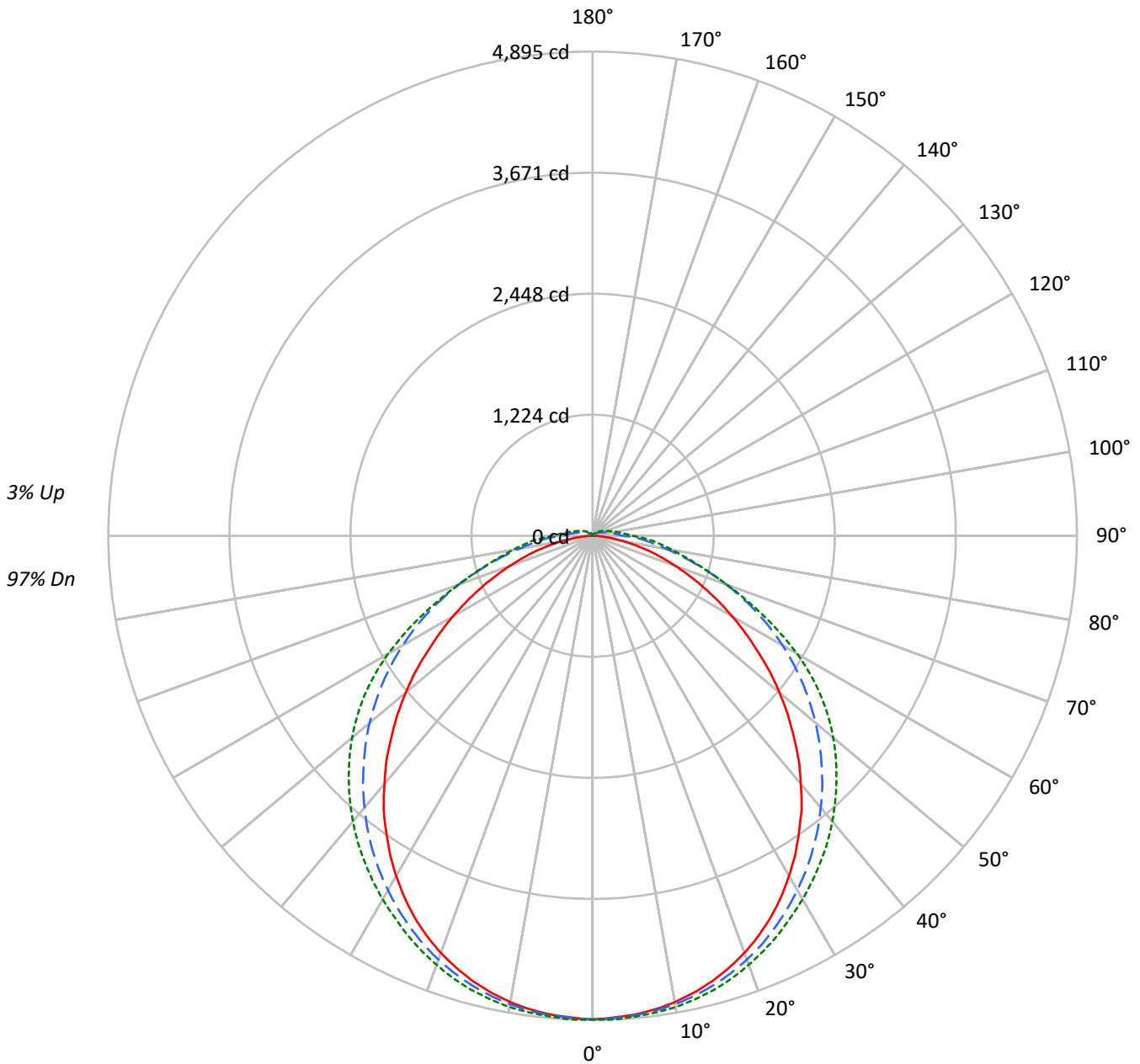
Lumens per Lamp: N/A
Luminaire Lumens: 14636.1 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				
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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15910	15910	15910
5°	15808	15665	15674
10°	15697	15435	15462
15°	15522	15180	15226
20°	15289	14888	14942
25°	14978	14547	14654
30°	14548	14184	14364
35°	14027	13802	14087
40°	13401	13372	13804
45°	12663	12908	13474
50°	11856	12432	13092
55°	10864	11866	12557
60°	9847	11210	11681
65°	8737	10398	10387
70°	7535	9392	8997
75°	6318	8232	7914
80°	4790	7232	7319
85°	3031	6849	7227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.4	3.2
10°-20°	1329.4	9.1
20°-30°	2010.5	13.7
30°-40°	2413.6	16.5
40°-50°	2492.9	17.0
50°-60°	2242.8	15.3
60°-70°	1689.5	11.5
70°-80°	1020.2	7.0
80°-90°	498.9	3.4
90°-100°	210.0	1.4
100°-110°	119.9	0.8
110°-120°	70.4	0.5
120°-130°	39.8	0.3
130°-140°	21.0	0.1
140°-150°	10.2	0.1
150°-160°	3.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3803.2	26.0
0°-40°	6216.8	42.5
0°-60°	10952.5	74.8
0°-90°	14161.0	96.8
90°-120°	400.3	2.7
90°-150°	471.2	3.2
90°-180°	475.0	3.2
0°-180°	14636.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4890	4890	4890	4890	4890	
5°	4859	4872	4866	4886	4880	462
15°	4663	4686	4707	4747	4752	1315
25°	4258	4305	4366	4434	4445	1959
35°	3641	3726	3879	3996	4020	2276
45°	2874	3018	3271	3449	3486	2219
55°	2036	2246	2588	2783	2816	1825
65°	1242	1496	1831	1922	1901	1234
75°	585	840	1060	1088	1077	624
85°	122	322	531	604	615	141
90°	0	126	304	383	399	8
95°	6	85	227	290	300	5
105°	8	49	132	172	180	8
115°	10	28	81	109	114	10
125°	10	13	49	71	74	9
135°	8	11	25	43	48	7
145°	12	11	12	22	25	7
155°	12	13	12	11	12	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4890.4	4890.4	4890.4	4890.4	4890.4
2.5°	4876.0	4888.0	4880.8	4896.3	4895.1
5°	4859.2	4872.4	4866.4	4885.6	4879.6
7.5°	4830.5	4844.9	4843.7	4865.2	4862.8
10°	4788.6	4804.2	4809.0	4837.7	4837.7
12.5°	4731.2	4751.5	4763.5	4798.2	4799.4
15°	4663.0	4685.7	4707.2	4746.7	4751.5
17.5°	4580.4	4609.1	4639.0	4684.5	4690.5
20°	4487.0	4519.3	4560.0	4607.9	4615.1
22.5°	4379.3	4417.6	4470.3	4526.5	4534.9
25°	4258.4	4305.1	4366.1	4434.4	4445.1
27.5°	4120.8	4174.6	4257.2	4333.8	4343.4
30°	3971.2	4034.6	4137.5	4228.5	4244.1
32.5°	3813.2	3886.2	4013.1	4114.8	4136.3
35°	3640.8	3725.8	3879.0	3996.3	4020.2
37.5°	3470.9	3564.2	3737.8	3871.8	3900.6
40°	3272.2	3388.3	3587.0	3735.4	3770.1
42.5°	3085.5	3211.2	3436.2	3597.7	3631.3
45°	2873.7	3018.5	3271.0	3449.3	3486.4
47.5°	2675.0	2831.8	3111.8	3296.1	3334.4
50°	2465.5	2637.9	2941.9	3134.6	3174.1
52.5°	2256.1	2441.6	2765.9	2965.8	3002.9
55°	2035.9	2246.5	2587.6	2782.7	2816.2
57.5°	1831.2	2053.8	2404.5	2590.0	2610.3
60°	1628.9	1859.9	2217.8	2380.5	2387.7
62.5°	1431.4	1674.4	2026.3	2155.5	2146.0
65°	1242.3	1496.1	1831.2	1922.2	1900.6
67.5°	1060.4	1322.5	1631.3	1690.0	1661.2
70°	888.1	1153.8	1437.4	1467.3	1441.0
72.5°	736.1	993.4	1241.1	1266.3	1247.1
75°	585.3	840.2	1060.4	1087.9	1077.2
77.5°	444.0	691.8	894.1	930.0	932.4
80°	319.6	556.5	749.2	805.5	812.7
82.5°	210.6	432.1	628.3	700.2	710.9
85°	122.1	322.0	531.4	604.4	615.2
87.5°	52.7	232.2	427.3	493.1	506.3
90°	0.0	125.7	304.0	383.0	398.6
92.5°	3.6	104.1	260.9	332.7	345.9
95°	6.0	85.0	227.4	289.6	300.4
97.5°	7.2	71.8	197.5	252.5	263.3
100°	7.2	62.2	171.2	221.4	231.0
102.5°	7.2	55.1	149.6	193.9	202.3
105°	8.4	49.1	131.7	172.3	179.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.6	32.3	91.0	122.1	126.9
115°	9.6	27.5	81.4	108.9	113.7
117.5°	10.8	23.9	71.8	98.1	101.7
120°	10.8	20.3	63.4	87.4	92.2
122.5°	10.8	16.8	56.3	79.0	82.6
125°	9.6	13.2	49.1	70.6	74.2
127.5°	8.4	10.8	41.9	63.4	67.0
130°	8.4	9.6	35.9	56.3	59.8
132.5°	8.4	10.8	29.9	49.1	53.9
135°	8.4	10.8	25.1	43.1	47.9
137.5°	8.4	10.8	20.3	37.1	41.9
140°	9.6	10.8	16.8	31.1	35.9
142.5°	10.8	10.8	13.2	26.3	29.9
145°	12.0	10.8	12.0	21.5	25.1
147.5°	12.0	12.0	12.0	16.8	20.3
150°	12.0	13.2	12.0	13.2	16.8
152.5°	12.0	13.2	12.0	10.8	13.2
155°	12.0	13.2	12.0	10.8	12.0
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°	8.4	43.1	116.1	153.2	159.2
110°	8.4	38.3	102.9	136.4	142.4



(END OF REPORT)