

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: P829824

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829824
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-MCL-UNV-L935-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

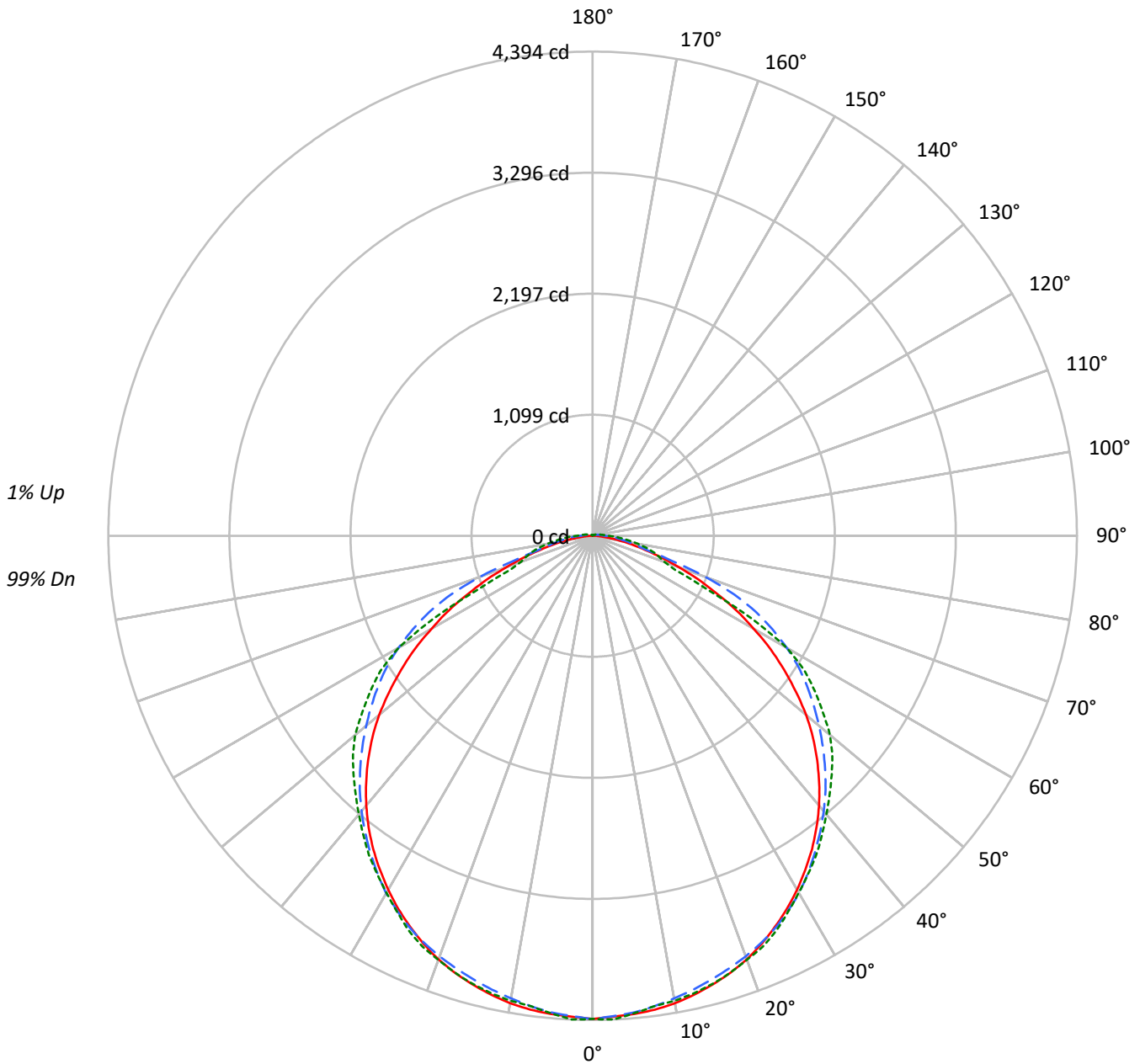
Lumens per Lamp: N/A
Luminaire Lumens: 12394.0 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	14266	14266	14266
5°	14173	13975	13970
10°	14121	13681	13699
15°	14031	13443	13493
20°	13941	13263	13259
25°	13773	13081	13025
30°	13590	12840	12658
35°	13371	12506	12397
40°	13087	12159	12081
45°	12693	11767	11855
50°	12159	11328	11596
55°	11310	10883	10980
60°	10199	10278	9951
65°	8749	9274	6150
70°	7047	7068	4315
75°	5284	4056	4183
80°	3678	3201	3723
85°	2092	2672	3084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	3.3
10°-20°	1185.6	9.6
20°-30°	1810.8	14.6
30°-40°	2197.1	17.7
40°-50°	2302.8	18.6
50°-60°	2086.7	16.8
60°-70°	1399.1	11.3
70°-80°	628.2	5.1
80°-90°	228.0	1.8
90°-100°	68.6	0.6
100°-110°	32.4	0.3
110°-120°	16.2	0.1
120°-130°	8.9	0.1
130°-140°	6.1	0.0
140°-150°	4.1	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3409.9	27.5
0°-40°	5607.1	45.2
0°-60°	9996.6	80.7
0°-90°	12251.9	98.9
90°-120°	117.2	0.9
90°-150°	136.4	1.1
90°-180°	142.0	1.1
0°-180°	12394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4356	4372	4341	4355	4349	414
15°	4215	4199	4169	4206	4211	1190
25°	3916	3899	3926	3962	3951	1805
35°	3471	3479	3514	3552	3538	2169
45°	2880	2927	2982	3058	3068	2219
55°	2120	2222	2373	2468	2463	1892
65°	1244	1439	1633	1378	1125	1239
75°	490	710	522	534	569	535
85°	84	162	207	250	262	103
90°	1	54	107	134	141	5
95°	1	34	74	89	92	1
105°	2	15	36	44	46	3
115°	5	8	18	24	25	5
125°	4	5	11	13	14	4
135°	6	6	7	10	11	5
145°	6	6	6	7	8	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4385.0	4385.0	4385.0	4385.0	<i>4385.0</i>
2.5°	<i>4367.3</i>	<i>4385.6</i>	<i>4362.8</i>	<i>4387.5</i>	<i>4393.9</i>
5°	4356.5	4371.7	4341.3	4354.6	<i>4348.9</i>
7.5°	4336.8	4341.9	4305.8	4316.5	<i>4305.1</i>
10°	4307.7	4305.1	4262.6	4283.6	<i>4286.1</i>
12.5°	4264.5	4256.9	4218.9	4250.6	<i>4251.2</i>
15°	4215.1	4198.6	4168.8	4205.6	<i>4210.6</i>
17.5°	4158.0	4136.5	4116.8	4164.4	<i>4156.8</i>
20°	4091.4	4066.1	4062.3	4114.3	<i>4095.3</i>
22.5°	4009.0	3989.4	3998.2	4047.7	<i>4035.7</i>
25°	3915.8	3898.7	3926.0	3962.1	<i>3950.7</i>
27.5°	3817.5	3807.4	3838.5	3866.4	<i>3844.2</i>
30°	3709.8	3704.1	3745.3	3768.1	<i>3740.2</i>
32.5°	3592.5	3594.4	3633.7	3664.7	<i>3638.7</i>
35°	3470.7	3479.0	3514.5	3551.9	<i>3537.9</i>
37.5°	3336.9	3355.3	3390.8	3433.3	<i>3418.7</i>
40°	3195.6	3222.2	3261.5	3312.8	<i>3299.5</i>
42.5°	3042.7	3076.4	3127.1	3184.1	<i>3182.9</i>
45°	2880.4	2927.4	2981.9	3058.0	<i>3067.5</i>
47.5°	2711.8	2764.4	2833.5	2935.0	<i>2949.5</i>
50°	2528.5	2594.5	2680.7	2802.4	<i>2811.3</i>
52.5°	2324.4	2414.4	2528.5	2645.2	<i>2634.4</i>
55°	2119.6	2221.7	2373.2	2468.3	<i>2462.6</i>
57.5°	1915.4	2030.2	2214.1	2281.9	<i>2281.3</i>
60°	1687.2	1832.4	2033.4	2084.7	<i>2034.0</i>
62.5°	1476.0	1632.0	1840.6	1803.2	<i>1629.5</i>
65°	1244.0	1438.6	1633.3	1378.4	<i>1125.4</i>
67.5°	1037.9	1240.8	1387.3	944.1	<i>808.4</i>
70°	830.6	1054.4	1081.7	700.6	<i>691.1</i>
72.5°	646.7	885.1	746.3	599.8	<i>630.2</i>
75°	489.5	710.1	522.4	534.5	<i>569.4</i>
77.5°	357.0	545.3	406.4	468.6	<i>497.1</i>
80°	245.4	386.1	331.6	393.7	<i>413.4</i>
82.5°	154.1	254.9	265.7	317.0	<i>337.3</i>
85°	84.3	161.7	207.3	250.4	<i>262.5</i>
87.5°	34.9	97.6	158.5	193.4	<i>203.5</i>
90°	0.6	53.9	107.2	134.4	<i>140.8</i>
92.5°	0.6	41.2	87.5	108.4	<i>112.9</i>
95°	0.6	33.6	73.5	89.4	<i>91.9</i>
97.5°	1.3	26.6	61.5	74.2	<i>76.7</i>
100°	1.9	22.2	51.4	62.1	<i>64.0</i>
102.5°	2.5	17.8	43.1	52.0	<i>53.9</i>
105°	2.5	14.6	36.1	43.7	<i>45.7</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	8.9	21.6	27.3	28.5
115°	5.1	7.6	18.4	23.5	24.7
117.5°	5.1	6.3	15.9	19.7	20.9
120°	5.1	5.7	13.9	17.1	17.8
122.5°	5.1	5.1	12.0	15.2	15.9
125°	4.4	5.1	11.4	13.3	13.9
127.5°	5.1	5.1	10.1	12.0	12.7
130°	5.1	5.7	8.9	11.4	11.4
132.5°	5.7	6.3	8.2	10.8	10.8
135°	5.7	6.3	7.0	10.1	10.8
137.5°	6.3	6.3	6.3	9.5	10.1
140°	6.3	6.3	5.7	8.2	8.9
142.5°	5.7	6.3	5.7	7.6	8.2
145°	5.7	6.3	6.3	7.0	7.6
147.5°	6.3	6.3	6.3	6.3	7.0
150°	6.3	6.3	6.3	6.3	6.3
152.5°	6.3	6.3	6.3	6.3	6.3
155°	6.3	7.0	7.0	7.0	6.3
157.5°	6.3	7.0	7.0	7.0	7.0
160°	6.3	7.0	7.0	7.0	7.0
162.5°	7.0	7.0	7.0	7.0	7.0
165°	7.0	7.0	7.0	7.0	7.0
167.5°	7.0	7.6	7.0	7.0	7.0
170°	7.0	7.0	7.0	6.3	6.3
172.5°	7.0	7.0	7.0	6.3	6.3
175°	7.0	7.0	6.3	5.7	5.7
177.5°	7.6	7.0	6.3	5.7	5.1
180°	6.3	6.3	6.3	6.3	6.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.2	12.0	31.1	37.4	38.7
110°	3.8	10.1	26.0	31.7	33.0



(END OF REPORT)