

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: P829818

Luminaire Tested: **OHBL-15SE-MCL-UNV-L750-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P829818  
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-L750-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

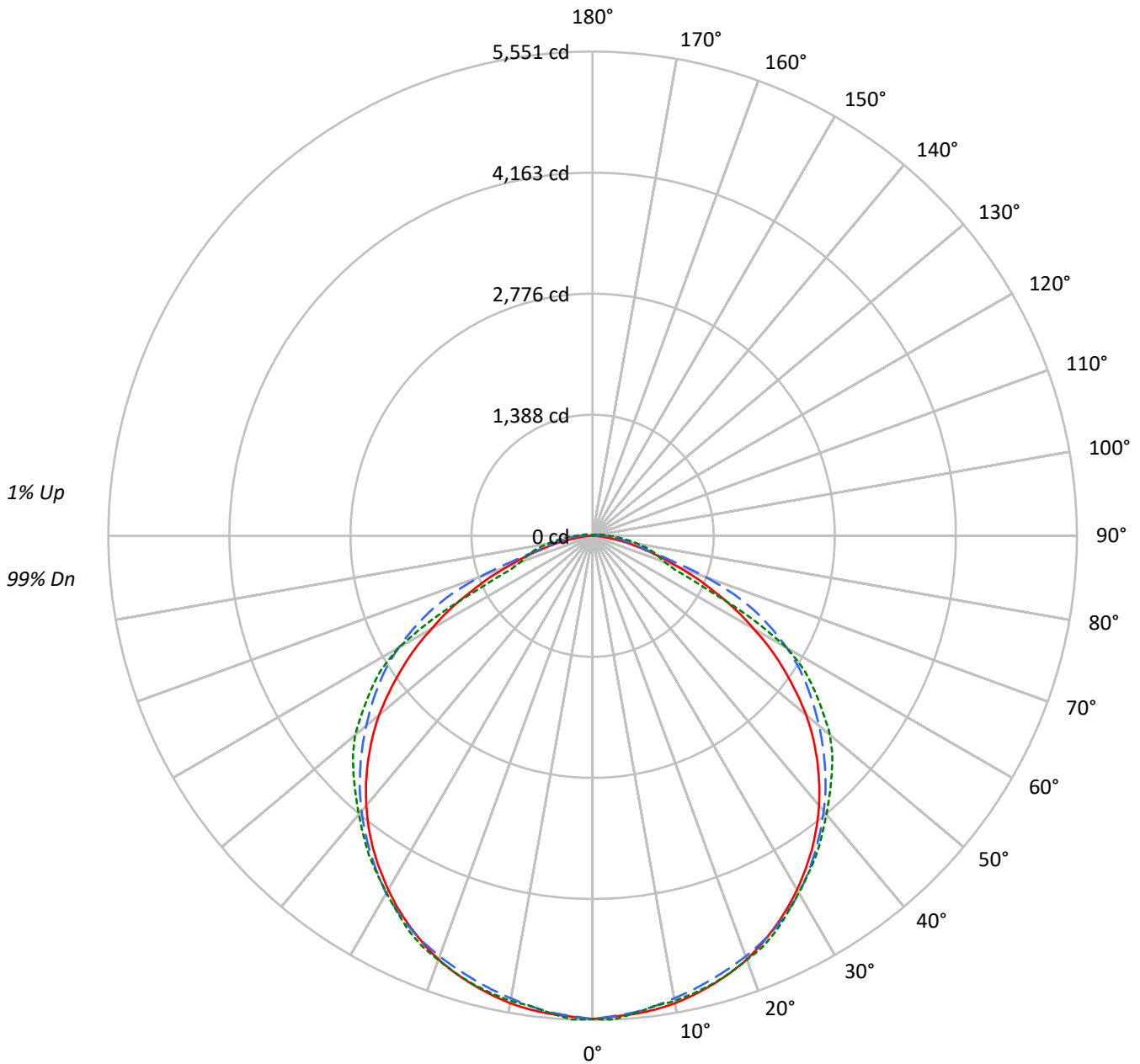
Lumens per Lamp: N/A  
Luminaire Lumens: 15657.9 lumens  
Efficiency: N/A  
Efficacy: 180.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 87  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	18023	18023	18023
5°	17905	17655	17649
10°	17839	17284	17307
15°	17726	16984	17046
20°	17613	16756	16751
25°	17401	16526	16454
30°	17169	16221	15992
35°	16893	15799	15662
40°	16534	15361	15263
45°	16036	14866	14977
50°	15361	14312	14650
55°	14289	13749	13872
60°	12885	12984	12572
65°	11053	11716	7770
70°	8903	8929	5451
75°	6675	5124	5284
80°	4646	4044	4703
85°	2643	3376	3895



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	522.4	3.3
10°-20°	1497.9	9.6
20°-30°	2287.7	14.6
30°-40°	2775.8	17.7
40°-50°	2909.3	18.6
50°-60°	2636.2	16.8
60°-70°	1767.5	11.3
70°-80°	793.7	5.1
80°-90°	288.0	1.8
90°-100°	86.7	0.6
100°-110°	40.9	0.3
110°-120°	20.5	0.1
120°-130°	11.3	0.1
130°-140°	7.8	0.0
140°-150°	5.2	0.0
150°-160°	3.9	0.0
160°-170°	2.5	0.0
170°-180°	0.8	0.0
0°-30°	4307.9	27.5
0°-40°	7083.7	45.2
0°-60°	12629.2	80.7
0°-90°	15478.4	98.9
90°-120°	148.1	0.9
90°-150°	172.4	1.1
90°-180°	180.0	1.1
0°-180°	15657.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5540	5540	5540	5540	5540	
5°	5504	5523	5484	5501	5494	523
15°	5325	5304	5267	5313	5320	1504
25°	4947	4925	4960	5006	4991	2280
35°	4385	4395	4440	4487	4470	2741
45°	3639	3698	3767	3863	3875	2803
55°	2678	2807	2998	3118	3111	2390
65°	1572	1818	2063	1741	1422	1566
75°	618	897	660	675	719	676
85°	106	204	262	316	332	130
90°	1	68	135	170	178	6
95°	1	42	93	113	116	1
105°	3	18	46	55	58	4
115°	6	10	23	30	31	6
125°	6	6	14	17	18	6
135°	7	8	9	13	14	6
145°	7	8	8	9	10	5
155°	8	9	9	9	8	4
165°	9	9	9	9	9	2
175°	9	9	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-MCL-UNV-L750-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5539.8	5539.8	5539.8	5539.8	5539.8
2.5°	5517.4	5540.6	5511.8	5543.0	5551.0
5°	5503.8	5523.0	5484.5	5501.4	5494.2
7.5°	5478.9	5485.3	5439.7	5453.3	5438.9
10°	5442.1	5438.9	5385.2	5411.7	5414.9
12.5°	5387.6	5378.0	5329.9	5370.0	5370.8
15°	5325.1	5304.3	5266.7	5313.1	5319.5
17.5°	5253.1	5225.8	5201.0	5261.1	5251.4
20°	5168.9	5136.9	5132.1	5197.8	5173.8
22.5°	5064.8	5040.0	5051.2	5113.7	5098.5
25°	4947.1	4925.4	4959.9	5005.5	4991.1
27.5°	4822.9	4810.1	4849.3	4884.6	4856.5
30°	4686.7	4679.5	4731.6	4760.4	4725.2
32.5°	4538.5	4540.9	4590.6	4629.9	4597.0
35°	4384.8	4395.2	4440.0	4487.3	4469.7
37.5°	4215.7	4239.0	4283.8	4337.5	4319.1
40°	4037.1	4070.8	4120.4	4185.3	4168.5
42.5°	3844.1	3886.5	3950.6	4022.7	4021.1
45°	3639.0	3698.3	3767.2	3863.3	3875.3
47.5°	3425.9	3492.4	3579.7	3707.9	3726.3
50°	3194.4	3277.7	3386.7	3540.5	3551.7
52.5°	2936.5	3050.3	3194.4	3341.8	3328.2
55°	2677.8	2806.8	2998.2	3118.3	3111.1
57.5°	2419.9	2564.8	2797.1	2882.8	2882.0
60°	2131.5	2314.9	2568.9	2633.7	2569.7
62.5°	1864.8	2061.8	2325.3	2278.1	2058.6
65°	1571.6	1817.5	2063.4	1741.4	1421.8
67.5°	1311.3	1567.6	1752.6	1192.7	1021.3
70°	1049.3	1332.1	1366.5	885.1	873.1
72.5°	817.0	1118.2	942.8	757.8	796.2
75°	618.4	897.1	660.0	675.3	719.3
77.5°	451.0	688.9	513.5	591.9	628.0
80°	310.0	487.8	418.9	497.4	522.3
82.5°	194.6	322.0	335.6	400.5	426.1
85°	106.5	204.3	261.9	316.4	331.6
87.5°	44.1	123.4	200.3	244.3	257.1
90°	0.8	68.1	135.4	169.8	177.8
92.5°	0.8	52.1	110.5	137.0	142.6
95°	0.8	42.5	92.9	112.9	116.1
97.5°	1.6	33.6	77.7	93.7	96.9
100°	2.4	28.0	64.9	78.5	80.9
102.5°	3.2	22.4	54.5	65.7	68.1
105°	3.2	18.4	45.7	55.3	57.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	11.2	27.2	34.4	36.0
115°	6.4	9.6	23.2	29.6	31.2
117.5°	6.4	8.0	20.0	24.8	26.4
120°	6.4	7.2	17.6	21.6	22.4
122.5°	6.4	6.4	15.2	19.2	20.0
125°	5.6	6.4	14.4	16.8	17.6
127.5°	6.4	6.4	12.8	15.2	16.0
130°	6.4	7.2	11.2	14.4	14.4
132.5°	7.2	8.0	10.4	13.6	13.6
135°	7.2	8.0	8.8	12.8	13.6
137.5°	8.0	8.0	8.0	12.0	12.8
140°	8.0	8.0	7.2	10.4	11.2
142.5°	7.2	8.0	7.2	9.6	10.4
145°	7.2	8.0	8.0	8.8	9.6
147.5°	8.0	8.0	8.0	8.0	8.8
150°	8.0	8.0	8.0	8.0	8.0
152.5°	8.0	8.0	8.0	8.0	8.0
155°	8.0	8.8	8.8	8.8	8.0
157.5°	8.0	8.8	8.8	8.8	8.8
160°	8.0	8.8	8.8	8.8	8.8
162.5°	8.8	8.8	8.8	8.8	8.8
165°	8.8	8.8	8.8	8.8	8.8
167.5°	8.8	9.6	8.8	8.8	8.8
170°	8.8	8.8	8.8	8.0	8.0
172.5°	8.8	8.8	8.8	8.0	8.0
175°	8.8	8.8	8.0	7.2	7.2
177.5°	9.6	8.8	8.0	7.2	6.4
180°	8.0	8.0	8.0	8.0	8.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	4.0	15.2	39.2	47.3	48.9
110°	4.8	12.8	32.8	40.1	41.7



(END OF REPORT)