

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: P829804

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829804  
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-A-UNV-L735-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

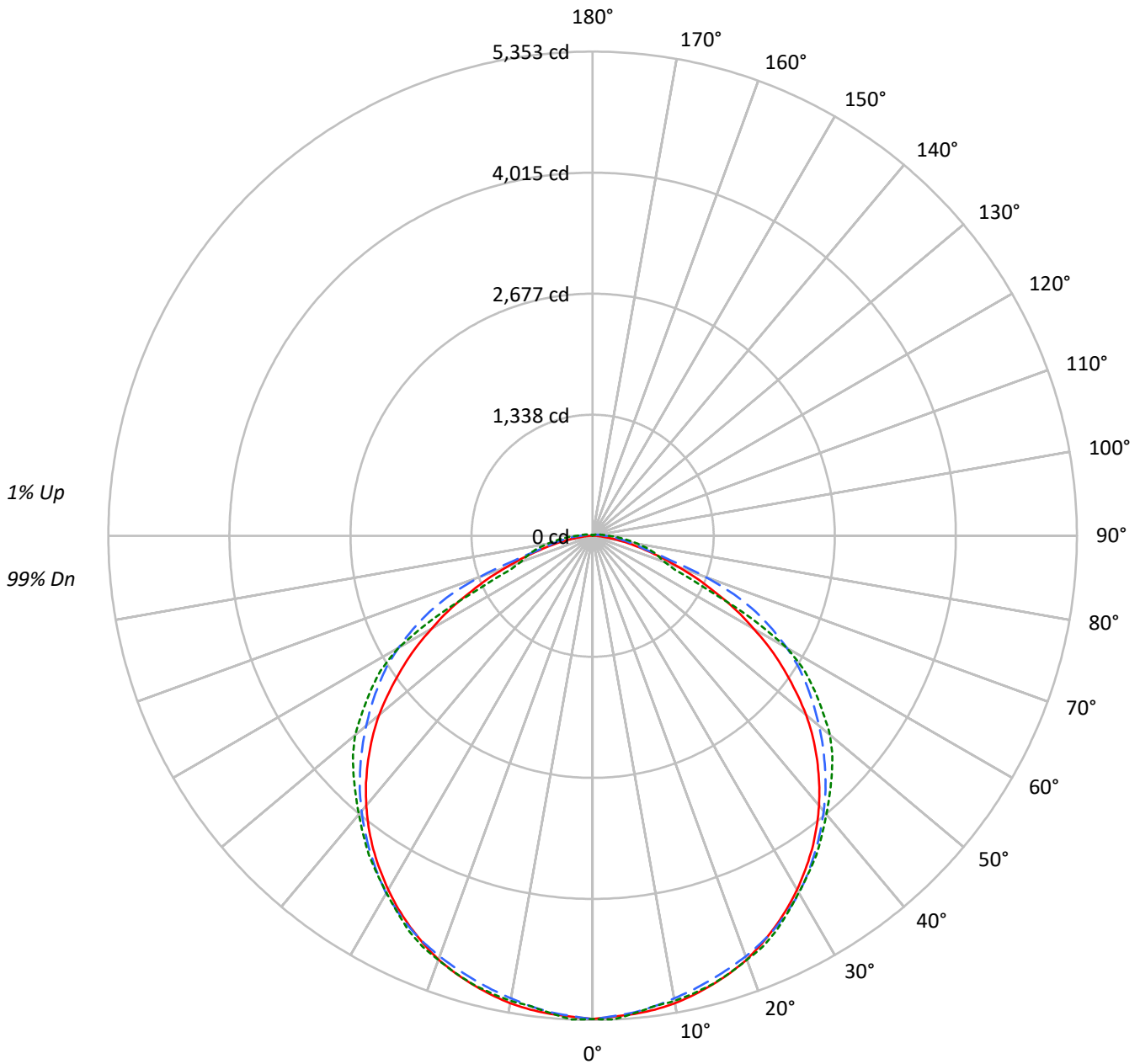
Lumens per Lamp: N/A  
Luminaire Lumens: 15100.0 lumens  
Efficiency: N/A  
Efficacy: 173.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')  
CIE Type: Direct

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°	17381	17381	17381
5°	17267	17026	17020
10°	17204	16669	16690
15°	17095	16378	16439
20°	16985	16159	16154
25°	16780	15937	15868
30°	16557	15643	15422
35°	16291	15236	15104
40°	15944	14814	14719
45°	15464	14336	14443
50°	14813	13802	14128
55°	13780	13258	13378
60°	12426	12521	12124
65°	10659	11299	7493
70°	8585	8611	5257
75°	6436	4941	5096
80°	4480	3900	4535
85°	2549	3256	3757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	503.7	3.3
10°-20°	1444.5	9.6
20°-30°	2206.2	14.6
30°-40°	2676.9	17.7
40°-50°	2805.6	18.6
50°-60°	2542.3	16.8
60°-70°	1704.5	11.3
70°-80°	765.4	5.1
80°-90°	277.8	1.8
90°-100°	83.6	0.6
100°-110°	39.5	0.3
110°-120°	19.8	0.1
120°-130°	10.9	0.1
130°-140°	7.5	0.0
140°-150°	5.0	0.0
150°-160°	3.7	0.0
160°-170°	2.4	0.0
170°-180°	0.8	0.0
0°-30°	4154.4	27.5
0°-40°	6831.3	45.2
0°-60°	12179.1	80.7
0°-90°	14926.8	98.9
90°-120°	142.8	0.9
90°-150°	166.3	1.1
90°-180°	173.0	1.1
0°-180°	15100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5342	5342	5342	5342	5342	
5°	5308	5326	5289	5305	5298	505
15°	5135	5115	5079	5124	5130	1450
25°	4771	4750	4783	4827	4813	2199
35°	4228	4238	4282	4327	4310	2643
45°	3509	3566	3633	3726	3737	2703
55°	2582	2707	2891	3007	3000	2305
65°	1516	1753	1990	1679	1371	1510
75°	596	865	636	651	694	652
85°	103	197	253	305	320	125
90°	1	66	130	164	172	6
95°	1	41	90	109	112	1
105°	3	18	44	53	56	4
115°	6	9	22	29	30	6
125°	5	6	14	16	17	5
135°	7	8	8	12	13	6
145°	7	8	8	8	9	5
155°	8	8	8	8	8	4
165°	8	8	8	8	8	2
175°	8	8	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-A-UNV-L735-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5342.4	5342.4	5342.4	5342.4	5342.4
2.5°	5320.8	5343.2	5315.4	5345.5	5353.2
5°	5307.6	5326.2	5289.1	5305.3	5298.4
7.5°	5283.7	5289.9	5245.8	5259.0	5245.1
10°	5248.2	5245.1	5193.3	5218.8	5221.9
12.5°	5195.6	5186.4	5140.0	5178.6	5179.4
15°	5135.4	5115.3	5079.0	5123.8	5130.0
17.5°	5065.8	5039.6	5015.6	5073.6	5064.3
20°	4984.7	4953.8	4949.2	5012.5	4989.4
22.5°	4884.3	4860.4	4871.2	4931.4	4916.8
25°	4770.8	4749.9	4783.1	4827.2	4813.3
27.5°	4651.0	4638.7	4676.5	4710.5	4683.5
30°	4519.7	4512.8	4563.0	4590.8	4556.8
32.5°	4376.8	4379.1	4427.0	4464.9	4433.2
35°	4228.5	4238.5	4281.8	4327.4	4310.4
37.5°	4065.5	4087.9	4131.2	4182.9	4165.2
40°	3893.2	3925.7	3973.6	4036.1	4019.9
42.5°	3707.1	3748.0	3809.8	3879.3	3877.8
45°	3509.3	3566.5	3632.9	3725.6	3737.2
47.5°	3303.8	3368.0	3452.2	3575.8	3593.5
50°	3080.6	3160.9	3266.0	3414.3	3425.1
52.5°	2831.9	2941.6	3080.6	3222.7	3209.6
55°	2582.4	2706.7	2891.3	3007.2	3000.3
57.5°	2333.6	2473.4	2697.5	2780.1	2779.3
60°	2055.5	2232.4	2477.3	2539.9	2478.1
62.5°	1798.3	1988.3	2242.5	2196.9	1985.2
65°	1515.6	1752.7	1989.9	1679.3	1371.1
67.5°	1264.5	1511.7	1690.2	1150.2	984.9
70°	1011.9	1284.6	1317.8	853.6	842.0
72.5°	787.9	1078.4	909.2	730.8	767.8
75°	596.3	865.2	636.5	651.2	693.7
77.5°	434.9	664.3	495.2	570.9	605.6
80°	298.9	470.4	404.0	479.7	503.6
82.5°	187.7	310.5	323.7	386.2	411.0
85°	102.7	197.0	252.6	305.1	319.8
87.5°	42.5	119.0	193.1	235.6	248.0
90°	0.8	65.7	130.5	163.8	171.5
92.5°	0.8	50.2	106.6	132.1	137.5
95°	0.8	40.9	89.6	108.9	112.0
97.5°	1.5	32.4	74.9	90.4	93.5
100°	2.3	27.0	62.6	75.7	78.0
102.5°	3.1	21.6	52.5	63.3	65.7
105°	3.1	17.8	44.0	53.3	55.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	10.8	26.3	33.2	34.8
115°	6.2	9.3	22.4	28.6	30.1
117.5°	6.2	7.7	19.3	23.9	25.5
120°	6.2	7.0	17.0	20.9	21.6
122.5°	6.2	6.2	14.7	18.5	19.3
125°	5.4	6.2	13.9	16.2	17.0
127.5°	6.2	6.2	12.4	14.7	15.4
130°	6.2	7.0	10.8	13.9	13.9
132.5°	7.0	7.7	10.0	13.1	13.1
135°	7.0	7.7	8.5	12.4	13.1
137.5°	7.7	7.7	7.7	11.6	12.4
140°	7.7	7.7	7.0	10.0	10.8
142.5°	7.0	7.7	7.0	9.3	10.0
145°	7.0	7.7	7.7	8.5	9.3
147.5°	7.7	7.7	7.7	7.7	8.5
150°	7.7	7.7	7.7	7.7	7.7
152.5°	7.7	7.7	7.7	7.7	7.7
155°	7.7	8.5	8.5	8.5	7.7
157.5°	7.7	8.5	8.5	8.5	8.5
160°	7.7	8.5	8.5	8.5	8.5
162.5°	8.5	8.5	8.5	8.5	8.5
165°	8.5	8.5	8.5	8.5	8.5
167.5°	8.5	9.3	8.5	8.5	8.5
170°	8.5	8.5	8.5	7.7	7.7
172.5°	8.5	8.5	8.5	7.7	7.7
175°	8.5	8.5	7.7	7.0	7.0
177.5°	9.3	8.5	7.7	7.0	6.2
180°	7.7	7.7	7.7	7.7	7.7



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.9	14.7	37.9	45.6	47.1
110°	4.6	12.4	31.7	38.6	40.2



(END OF REPORT)