

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: P829864

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-W-UNV-L735-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

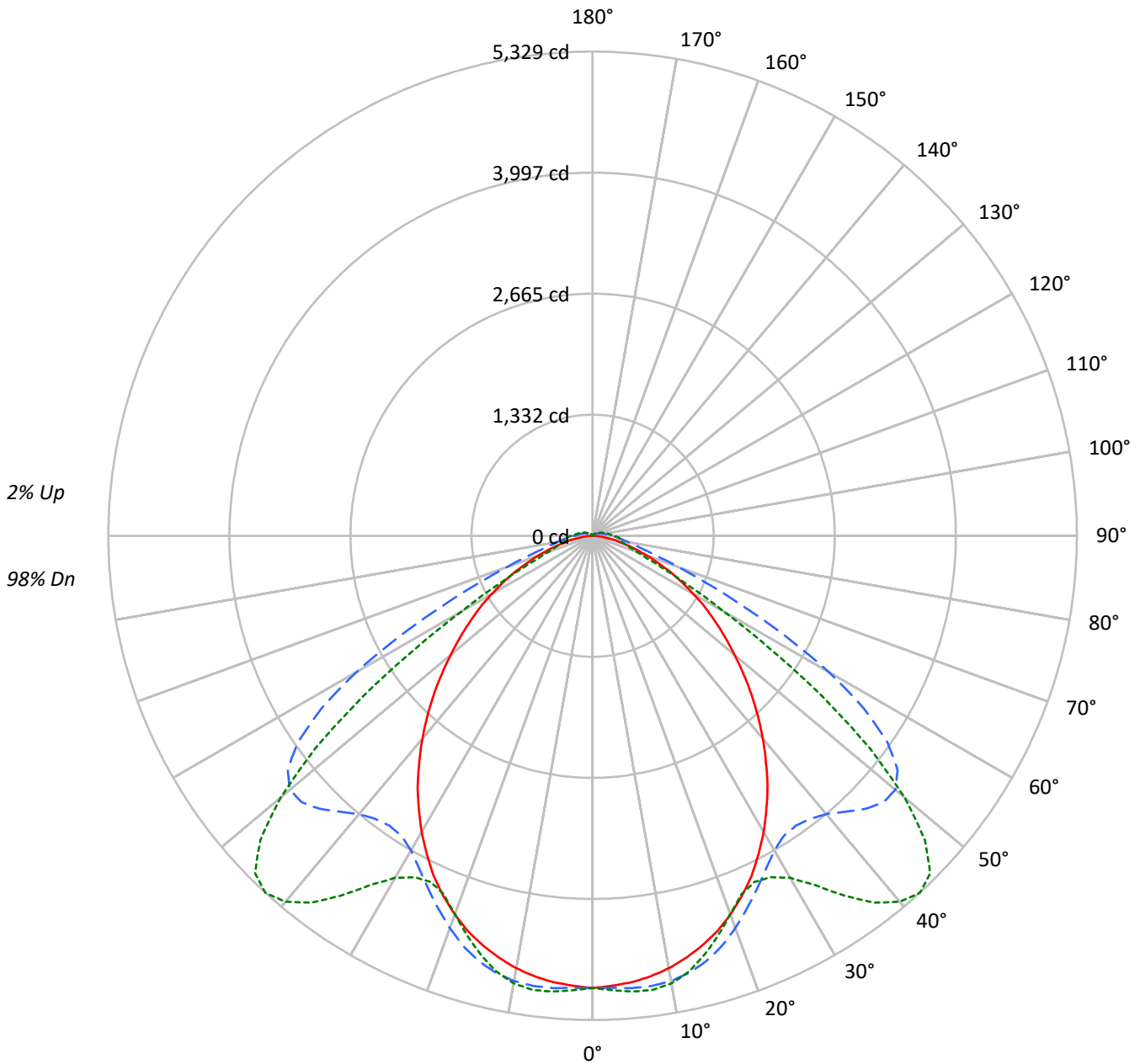
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14905.0 lumens  
Efficiency: N/A  
Efficacy: 171.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16195	16195	16195
5°	16044	16083	16173
10°	15843	15970	15989
15°	15534	15620	15281
20°	15111	14998	14344
25°	14544	14267	13866
30°	13790	13704	14706
35°	12931	13865	16943
40°	11933	14906	19254
45°	10890	16771	20300
50°	9802	18372	18478
55°	8780	18148	13753
60°	7739	15151	8144
65°	6639	10288	4737
70°	5394	6505	3239
75°	4104	4519	2777
80°	2945	3784	2766
85°	2001	3820	3444



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.7	3.2
10°-20°	1347.0	9.0
20°-30°	1971.2	13.2
30°-40°	2560.0	17.2
40°-50°	3126.1	21.0
50°-60°	2753.0	18.5
60°-70°	1434.6	9.6
70°-80°	615.2	4.1
80°-90°	295.4	2.0
90°-100°	138.8	0.9
100°-110°	86.3	0.6
110°-120°	51.0	0.3
120°-130°	27.7	0.2
130°-140°	13.9	0.1
140°-150°	6.7	0.0
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3793.9	25.5
0°-40°	6353.9	42.6
0°-60°	12233.0	82.1
0°-90°	14578.2	97.8
90°-120°	276.1	1.9
90°-150°	324.4	2.2
90°-180°	327.0	2.2
0°-180°	14905.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4978	4978	4978	4978	4978	
5°	4932	4969	4996	5040	5035	468
15°	4666	4798	4844	4807	4769	1314
25°	4135	4356	4282	4202	4206	1898
35°	3356	3711	3896	4544	4835	2092
45°	2471	3109	4250	5146	5253	1906
55°	1645	2724	3958	3470	3084	1477
65°	944	1887	1812	1007	867	934
75°	380	883	582	398	378	415
85°	81	315	296	290	293	90
90°	1	114	196	223	229	6
95°	2	67	156	183	188	2
105°	4	38	101	121	124	5
115°	6	22	62	76	78	7
125°	8	11	36	47	48	6
135°	6	6	17	29	30	5
145°	9	6	8	14	16	5
155°	9	9	6	6	6	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4978.0	4978.0	4978.0	4978.0	4978.0
2.5°	4956.5	4978.0	4979.1	5009.1	5005.9
5°	4931.8	4969.4	4996.3	5040.3	5034.9
7.5°	4891.0	4950.1	4997.3	5045.7	5041.4
10°	4833.0	4913.6	4975.8	5015.6	5002.7
12.5°	4757.8	4864.2	4925.4	4934.0	4909.3
15°	4666.5	4797.6	4843.7	4807.2	4768.6
17.5°	4563.4	4717.0	4733.1	4653.6	4605.3
20°	4434.6	4609.6	4593.5	4484.0	4430.3
22.5°	4291.7	4491.5	4439.9	4325.0	4273.5
25°	4134.9	4356.2	4282.0	4201.5	4205.8
27.5°	3951.3	4202.6	4130.6	4167.1	4235.9
30°	3764.4	4041.5	3997.4	4210.1	4345.4
32.5°	3559.2	3876.1	3915.8	4335.7	4557.0
35°	3356.3	3710.7	3896.5	4544.1	4835.2
37.5°	3131.8	3543.1	3927.6	4784.7	5089.7
40°	2913.8	3379.9	3998.5	5000.6	5258.3
42.5°	2691.4	3233.8	4117.7	5128.4	5329.2
45°	2471.3	3109.2	4249.8	5145.5	5252.9
47.5°	2251.1	3004.0	4341.1	5009.1	4959.7
50°	2038.5	2910.5	4347.6	4681.6	4479.7
52.5°	1839.8	2824.6	4229.4	4159.6	3846.0
55°	1645.4	2723.7	3957.7	3470.1	3084.5
57.5°	1468.2	2584.0	3538.8	2729.0	2308.0
60°	1280.2	2395.0	2997.5	1996.6	1664.7
62.5°	1107.3	2159.8	2390.7	1389.8	1196.4
65°	944.0	1887.0	1811.8	1007.4	866.7
67.5°	771.1	1604.6	1337.1	734.6	644.4
70°	635.8	1342.5	995.6	571.4	518.7
72.5°	497.3	1093.3	744.3	464.0	435.0
75°	380.2	882.8	582.1	398.5	378.0
77.5°	280.3	698.1	468.3	352.3	332.9
80°	196.5	549.9	392.0	314.7	307.2
82.5°	132.1	425.3	334.0	299.6	300.7
85°	80.6	314.7	296.4	290.0	293.2
87.5°	38.7	223.4	254.5	264.2	267.4
90°	1.1	113.8	195.5	223.4	228.8
92.5°	0.0	87.0	171.8	199.8	205.1
95°	2.1	66.6	155.7	182.6	188.0
97.5°	2.1	54.8	139.6	167.5	170.8
100°	3.2	47.3	124.6	151.4	154.7
102.5°	3.2	41.9	111.7	135.3	137.5
105°	4.3	37.6	101.0	121.4	123.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	25.8	70.9	85.9	88.1
115°	6.4	21.5	62.3	76.3	78.4
117.5°	7.5	19.3	54.8	67.7	68.7
120°	7.5	16.1	47.3	60.1	61.2
122.5°	7.5	12.9	41.9	53.7	54.8
125°	7.5	10.7	36.5	47.3	48.3
127.5°	6.4	7.5	31.1	41.9	43.0
130°	6.4	6.4	25.8	36.5	38.7
132.5°	6.4	6.4	21.5	32.2	34.4
135°	6.4	6.4	17.2	29.0	30.1
137.5°	6.4	6.4	14.0	24.7	26.9
140°	6.4	6.4	10.7	21.5	22.6
142.5°	7.5	6.4	9.7	18.3	19.3
145°	8.6	6.4	7.5	14.0	16.1
147.5°	8.6	7.5	7.5	11.8	12.9
150°	8.6	8.6	6.4	8.6	10.7
152.5°	8.6	8.6	6.4	6.4	8.6
155°	8.6	8.6	6.4	6.4	6.4
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°	5.4	33.3	90.2	108.5	110.6
110°	5.4	29.0	79.5	96.7	98.8



(END OF REPORT)