

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: P829812

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829812  
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-L935-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

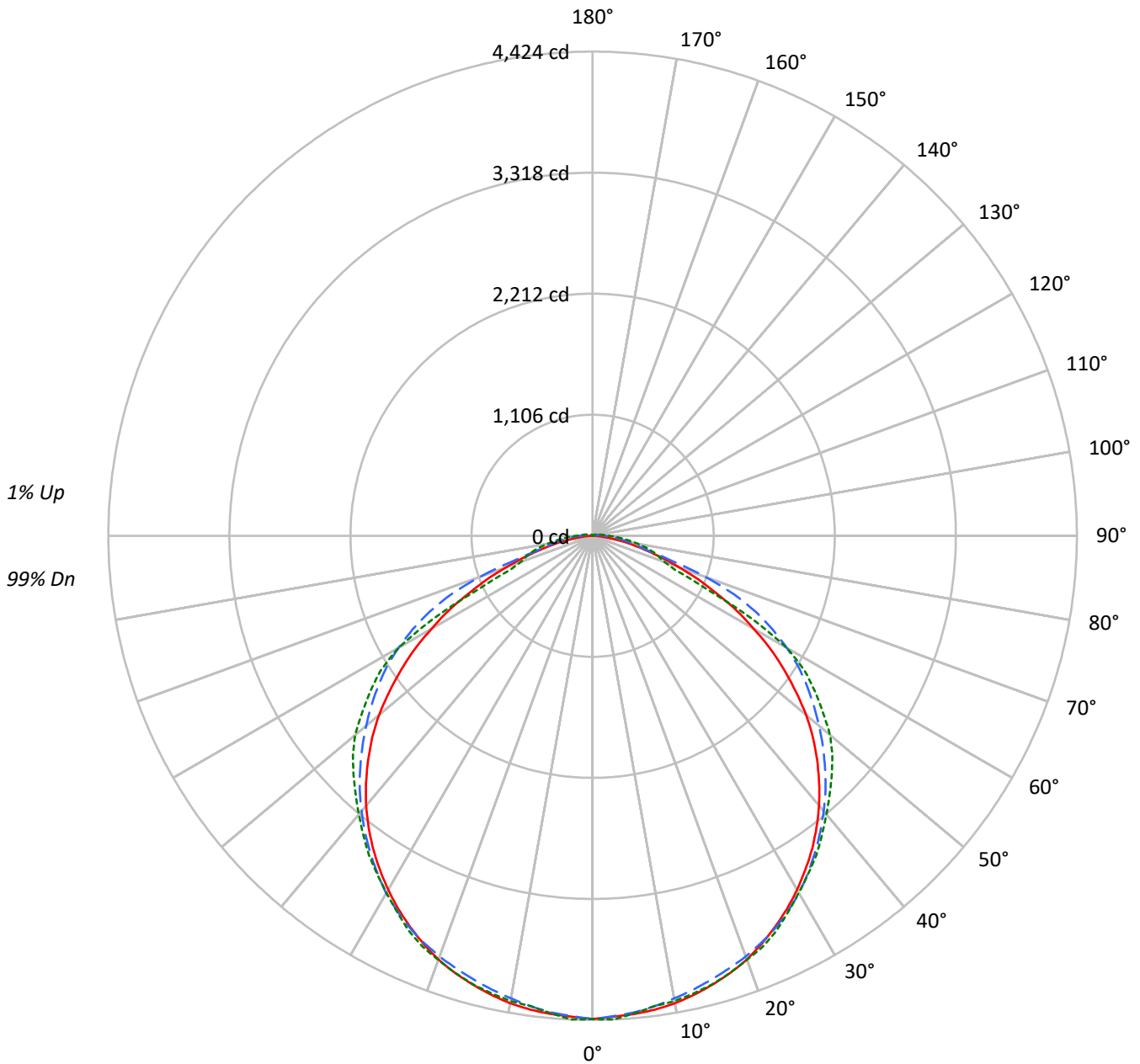
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12480.0 lumens  
Efficiency: N/A  
Efficacy: 143.4 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					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	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°	14365	14365	14365
5°	14271	14072	14066
10°	14218	13776	13794
15°	14128	13537	13587
20°	14038	13355	13351
25°	13869	13172	13115
30°	13685	12929	12746
35°	13464	12592	12483
40°	13178	12243	12165
45°	12781	11849	11937
50°	12243	11407	11676
55°	11389	10958	11057
60°	10270	10349	10020
65°	8810	9338	6193
70°	7096	7117	4345
75°	5320	4084	4212
80°	3703	3223	3749
85°	2107	2691	3105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.3	3.3
10°-20°	1193.9	9.6
20°-30°	1823.4	14.6
30°-40°	2212.4	17.7
40°-50°	2318.8	18.6
50°-60°	2101.2	16.8
60°-70°	1408.8	11.3
70°-80°	632.6	5.1
80°-90°	229.6	1.8
90°-100°	69.1	0.6
100°-110°	32.6	0.3
110°-120°	16.3	0.1
120°-130°	9.0	0.1
130°-140°	6.2	0.0
140°-150°	4.2	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3433.6	27.5
0°-40°	5646.0	45.2
0°-60°	10066.0	80.7
0°-90°	12336.9	98.9
90°-120°	118.0	0.9
90°-150°	137.4	1.1
90°-180°	143.0	1.1
0°-180°	12480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4415	4415	4415	4415	4415	
5°	4387	4402	4371	4385	4379	417
15°	4244	4228	4198	4235	4240	1198
25°	3943	3926	3953	3990	3978	1817
35°	3495	3503	3539	3576	3562	2184
45°	2900	2948	3003	3079	3089	2234
55°	2134	2237	2390	2485	2480	1905
65°	1253	1449	1645	1388	1133	1248
75°	493	715	526	538	573	539
85°	85	163	209	252	264	104
90°	1	54	108	135	142	5
95°	1	34	74	90	93	1
105°	3	15	36	44	46	3
115°	5	8	18	24	25	5
125°	4	5	12	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°	4415.4	4415.4	4415.4	4415.4	4415.4
2.5°	4397.6	4416.1	4393.1	4418.0	4424.4
5°	4386.7	4402.0	4371.4	4384.8	4379.0
7.5°	4366.9	4372.0	4335.6	4346.5	4335.0
10°	4337.5	4335.0	4292.2	4313.3	4315.8
12.5°	4294.1	4286.5	4248.2	4280.1	4280.7
15°	4244.3	4227.7	4197.7	4234.8	4239.9
17.5°	4186.9	4165.2	4145.4	4193.3	4185.6
20°	4119.8	4094.3	4090.5	4142.8	4123.7
22.5°	4036.8	4017.0	4026.0	4075.8	4063.7
25°	3943.0	3925.8	3953.2	3989.6	3978.1
27.5°	3844.0	3833.8	3865.1	3893.2	3870.8
30°	3735.5	3729.8	3771.3	3794.2	3766.1
32.5°	3617.4	3619.3	3658.9	3690.2	3664.0
35°	3494.8	3503.1	3538.9	3576.5	3562.5
37.5°	3360.1	3378.6	3414.4	3457.1	3442.5
40°	3217.7	3244.5	3284.1	3335.8	3322.4
42.5°	3063.9	3097.7	3148.8	3206.2	3205.0
45°	2900.4	2947.7	3002.6	3079.2	3088.8
47.5°	2730.6	2783.6	2853.2	2955.3	2970.0
50°	2546.1	2612.5	2699.3	2821.9	2830.8
52.5°	2340.5	2431.2	2546.1	2663.6	2652.7
55°	2134.3	2237.1	2389.7	2485.4	2479.7
57.5°	1928.7	2044.3	2229.4	2297.7	2297.1
60°	1698.9	1845.1	2047.5	2099.2	2048.1
62.5°	1486.3	1643.3	1853.4	1815.7	1640.8
65°	1252.6	1448.6	1644.6	1388.0	1133.2
67.5°	1045.1	1249.4	1396.9	950.6	814.0
70°	836.4	1061.7	1089.2	705.5	695.9
72.5°	651.2	891.3	751.4	604.0	634.6
75°	492.9	715.1	526.1	538.2	573.3
77.5°	359.4	549.1	409.2	471.8	500.5
80°	247.1	388.8	333.9	396.5	416.3
82.5°	155.1	256.7	267.5	319.2	339.6
85°	84.9	162.8	208.8	252.2	264.3
87.5°	35.1	98.3	159.6	194.7	204.9
90°	0.6	54.3	107.9	135.3	141.7
92.5°	0.6	41.5	88.1	109.2	113.6
95°	0.6	33.8	74.1	90.0	92.6
97.5°	1.3	26.8	61.9	74.7	77.3
100°	1.9	22.3	51.7	62.6	64.5
102.5°	2.6	17.9	43.4	52.4	54.3
105°	2.6	14.7	36.4	44.1	46.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	8.9	21.7	27.5	28.7
115°	5.1	7.7	18.5	23.6	24.9
117.5°	5.1	6.4	16.0	19.8	21.1
120°	5.1	5.7	14.0	17.2	17.9
122.5°	5.1	5.1	12.1	15.3	16.0
125°	4.5	5.1	11.5	13.4	14.0
127.5°	5.1	5.1	10.2	12.1	12.8
130°	5.1	5.7	8.9	11.5	11.5
132.5°	5.7	6.4	8.3	10.9	10.9
135°	5.7	6.4	7.0	10.2	10.9
137.5°	6.4	6.4	6.4	9.6	10.2
140°	6.4	6.4	5.7	8.3	8.9
142.5°	5.7	6.4	5.7	7.7	8.3
145°	5.7	6.4	6.4	7.0	7.7
147.5°	6.4	6.4	6.4	6.4	7.0
150°	6.4	6.4	6.4	6.4	6.4
152.5°	6.4	6.4	6.4	6.4	6.4
155°	6.4	7.0	7.0	7.0	6.4
157.5°	6.4	7.0	7.0	7.0	7.0
160°	6.4	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	7.7	7.0	7.0	7.0
170°	7.0	7.0	7.0	6.4	6.4
172.5°	7.0	7.0	7.0	6.4	6.4
175°	7.0	7.0	6.4	5.7	5.7
177.5°	7.7	7.0	6.4	5.7	5.1
180°	6.4	6.4	6.4	6.4	6.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.2	12.1	31.3	37.7	38.9
110°	3.8	10.2	26.2	31.9	33.2



(END OF REPORT)