

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: P829956

Luminaire Tested: **OHBL-18SE-A-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829956  
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-18SE-A-UNV-L935-CD  
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

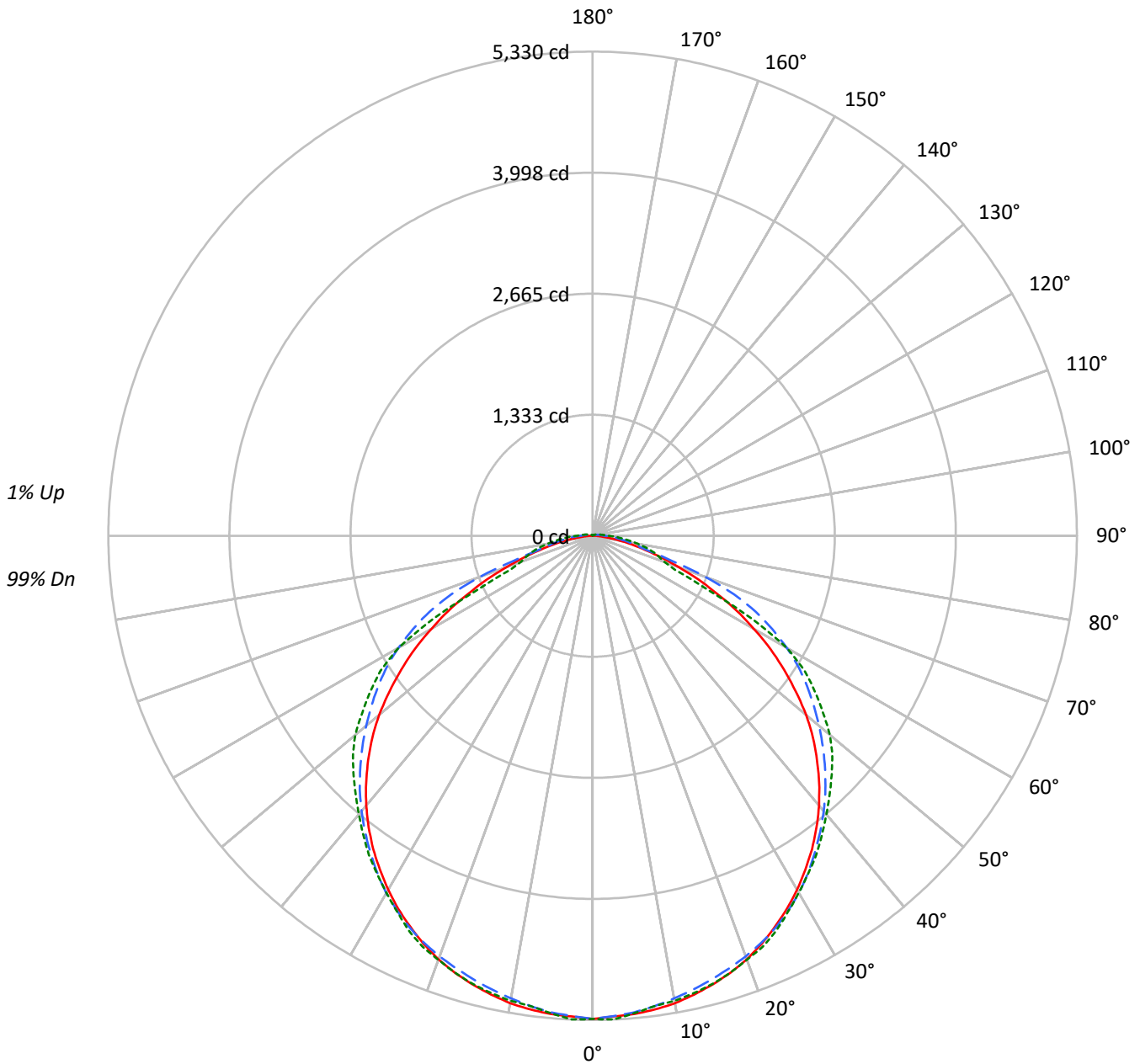
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15033.1 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 105  
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°	9084	9084	9084
5°	9025	8948	8965
10°	8992	8809	8860
15°	8935	8703	8795
20°	8878	8635	8711
25°	8771	8567	8628
30°	8654	8461	8459
35°	8515	8296	8362
40°	8334	8125	8232
45°	8083	7928	8170
50°	7742	7704	8096
55°	7202	7483	7783
60°	6495	7161	7183
65°	5571	6570	4542
70°	4487	5119	3284
75°	3364	3030	3319
80°	2342	2507	3147
85°	1333	2277	2911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.5	3.3
10°-20°	1438.1	9.6
20°-30°	2196.4	14.6
30°-40°	2665.0	17.7
40°-50°	2793.1	18.6
50°-60°	2531.0	16.8
60°-70°	1696.9	11.3
70°-80°	762.0	5.1
80°-90°	276.5	1.8
90°-100°	83.2	0.6
100°-110°	39.3	0.3
110°-120°	19.7	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°	4136.0	27.5
0°-40°	6800.9	45.2
0°-60°	12125.1	80.7
0°-90°	14860.6	98.9
90°-120°	142.2	0.9
90°-150°	165.6	1.1
90°-180°	172.0	1.1
0°-180°	15033.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5319	5319	5319	5319	5319	
5°	5284	5302	5266	5282	5275	503
15°	5113	5093	5056	5101	5107	1444
25°	4750	4729	4762	4806	4792	2189
35°	4210	4220	4263	4308	4291	2631
45°	3494	3551	3617	3709	3721	2691
55°	2571	2695	2878	2994	2987	2295
65°	1509	1745	1981	1672	1365	1503
75°	594	861	634	648	691	649
85°	102	196	252	304	318	125
90°	1	65	130	163	171	6
95°	1	41	89	108	112	1
105°	3	18	44	53	55	4
115°	6	9	22	28	30	6
125°	5	6	14	16	17	5
135°	7	8	8	12	13	5
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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5318.7	5318.7	5318.7	5318.7	5318.7
2.5°	5297.2	5319.5	5291.8	5321.8	5329.5
5°	5284.1	5302.5	5265.6	5281.8	5274.9
7.5°	5260.2	5266.4	5222.6	5235.6	5221.8
10°	5224.9	5221.8	5170.3	5195.6	5198.7
12.5°	5172.6	5163.3	5117.2	5155.7	5156.4
15°	5112.6	5092.6	5056.4	5101.0	5107.2
17.5°	5043.4	5017.2	4993.4	5051.1	5041.8
20°	4962.6	4931.9	4927.2	4990.3	4967.2
22.5°	4862.6	4838.8	4849.6	4909.6	4894.9
25°	4749.6	4728.8	4761.9	4805.7	4791.9
27.5°	4630.4	4618.1	4655.8	4689.6	4662.7
30°	4499.7	4492.7	4542.7	4570.4	4536.6
32.5°	4357.4	4359.7	4407.4	4445.1	4413.5
35°	4209.7	4219.7	4262.8	4308.2	4291.2
37.5°	4047.5	4069.8	4112.8	4164.4	4146.7
40°	3876.0	3908.3	3955.9	4018.2	4002.1
42.5°	3690.6	3731.4	3792.9	3862.1	3860.6
45°	3493.8	3550.7	3616.8	3709.1	3720.6
47.5°	3289.2	3353.0	3436.8	3559.9	3577.6
50°	3066.9	3146.9	3251.5	3399.2	3409.9
52.5°	2819.3	2928.5	3066.9	3208.4	3195.4
55°	2570.9	2694.7	2878.5	2993.9	2987.0
57.5°	2323.3	2462.5	2685.5	2767.8	2767.0
60°	2046.4	2222.5	2466.3	2528.6	2467.1
62.5°	1790.3	1979.5	2232.5	2187.2	1976.4
65°	1508.9	1745.0	1981.0	1671.9	1365.0
67.5°	1258.9	1505.0	1682.7	1145.1	980.5
70°	1007.4	1278.9	1312.0	849.8	838.3
72.5°	784.4	1073.6	905.2	727.5	764.4
75°	593.7	861.3	633.7	648.3	690.6
77.5°	433.0	661.4	493.0	568.3	602.9
80°	297.6	468.3	402.2	477.6	501.4
82.5°	186.9	309.2	322.2	384.5	409.1
85°	102.3	196.1	251.5	303.8	318.4
87.5°	42.3	118.4	192.3	234.6	246.9
90°	0.8	65.4	130.0	163.0	170.7
92.5°	0.8	50.0	106.1	131.5	136.9
95°	0.8	40.8	89.2	108.4	111.5
97.5°	1.5	32.3	74.6	90.0	93.1
100°	2.3	26.9	62.3	75.4	77.7
102.5°	3.1	21.5	52.3	63.1	65.4
105°	3.1	17.7	43.8	53.1	55.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	10.8	26.1	33.1	34.6
115°	6.2	9.2	22.3	28.5	30.0
117.5°	6.2	7.7	19.2	23.8	25.4
120°	6.2	6.9	16.9	20.8	21.5
122.5°	6.2	6.2	14.6	18.5	19.2
125°	5.4	6.2	13.8	16.1	16.9
127.5°	6.2	6.2	12.3	14.6	15.4
130°	6.2	6.9	10.8	13.8	13.8
132.5°	6.9	7.7	10.0	13.1	13.1
135°	6.9	7.7	8.5	12.3	13.1
137.5°	7.7	7.7	7.7	11.5	12.3
140°	7.7	7.7	6.9	10.0	10.8
142.5°	6.9	7.7	6.9	9.2	10.0
145°	6.9	7.7	7.7	8.5	9.2
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	9.2	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	6.9	6.9
177.5°	9.2	8.5	7.7	6.9	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°	3.8	14.6	37.7	45.4	46.9
110°	4.6	12.3	31.5	38.5	40.0



(END OF REPORT)