

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: P829736

Luminaire Tested: **OHBL-12SE-A-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829736  
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-12SE-A-UNV-L835-CD  
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

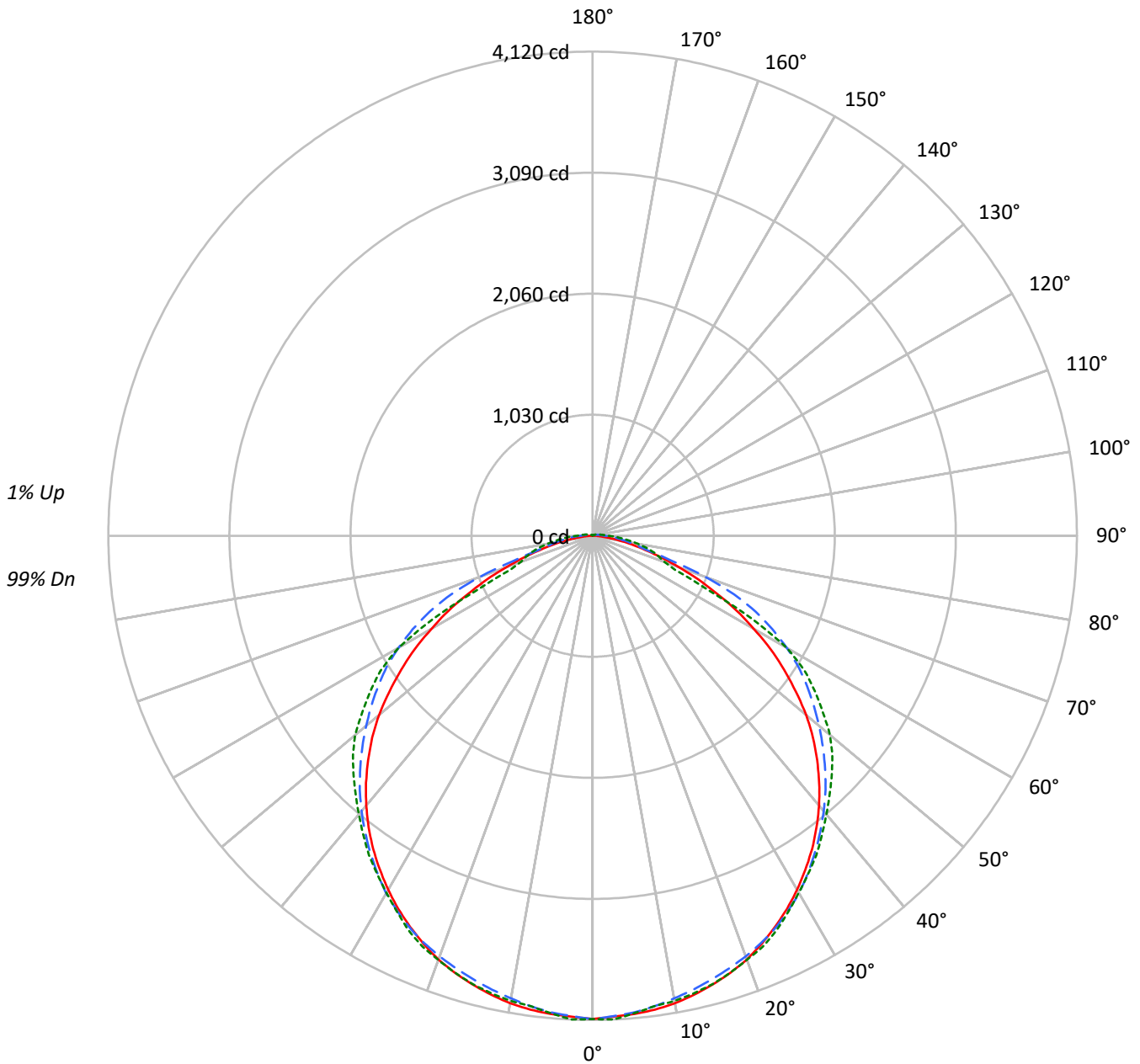
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11621.9 lumens  
Efficiency: N/A  
Efficacy: 166.0 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): 70  
Input Voltage (V): NR  
Input Current (Ain): 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°	13377	13377	13377
5°	13290	13104	13099
10°	13241	12829	12846
15°	13157	12606	12653
20°	13073	12437	12433
25°	12915	12266	12213
30°	12744	12040	11870
35°	12538	11727	11625
40°	12272	11401	11329
45°	11902	11034	11116
50°	11401	10622	10874
55°	10606	10205	10296
60°	9564	9637	9331
65°	8204	8696	5767
70°	6608	6627	4047
75°	4954	3803	3922
80°	3449	3001	3490
85°	1963	2506	2891



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.7	3.3
10°-20°	1111.8	9.6
20°-30°	1698.0	14.6
30°-40°	2060.3	17.7
40°-50°	2159.4	18.6
50°-60°	1956.7	16.8
60°-70°	1311.9	11.3
70°-80°	589.1	5.1
80°-90°	213.8	1.8
90°-100°	64.3	0.6
100°-110°	30.4	0.3
110°-120°	15.2	0.1
120°-130°	8.4	0.1
130°-140°	5.8	0.0
140°-150°	3.9	0.0
150°-160°	2.9	0.0
160°-170°	1.8	0.0
170°-180°	0.6	0.0
0°-30°	3197.5	27.5
0°-40°	5257.8	45.2
0°-60°	9373.9	80.7
0°-90°	11488.7	98.9
90°-120°	109.9	0.9
90°-150°	128.0	1.1
90°-180°	133.0	1.1
0°-180°	11621.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4112	4112	4112	4112	4112	
5°	4085	4099	4071	4083	4078	389
15°	3952	3937	3909	3944	3948	1116
25°	3672	3656	3681	3715	3705	1693
35°	3254	3262	3296	3331	3318	2034
45°	2701	2745	2796	2868	2876	2081
55°	1988	2083	2225	2315	2309	1774
65°	1166	1349	1532	1292	1055	1162
75°	459	666	490	501	534	502
85°	79	152	194	235	246	97
90°	1	50	100	126	132	5
95°	1	32	69	84	86	1
105°	2	14	34	41	43	3
115°	5	7	17	22	23	4
125°	4	5	11	12	13	4
135°	5	6	6	10	10	4
145°	5	6	6	6	7	4
155°	6	6	6	6	6	3
165°	6	6	6	6	6	2
175°	6	6	6	5	5	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4111.9	4111.9	4111.9	4111.9	<i>4111.9</i>
2.5°	<i>4095.2</i>	<i>4112.5</i>	<i>4091.1</i>	<i>4114.3</i>	<i>4120.2</i>
5°	4085.1	4099.4	4070.8	4083.3	<i>4078.0</i>
7.5°	4066.7	4071.4	4037.6	4047.7	<i>4037.0</i>
10°	4039.3	4037.0	3997.1	4016.7	<i>4019.1</i>
12.5°	3998.9	3991.8	3956.1	3985.8	<i>3986.4</i>
15°	3952.5	3937.1	3909.1	3943.6	<i>3948.4</i>
17.5°	3899.0	3878.8	3860.4	3905.0	<i>3897.8</i>
20°	3836.6	3812.8	3809.2	3858.0	<i>3840.2</i>
22.5°	3759.3	3740.9	3749.2	3795.6	<i>3784.3</i>
25°	3671.9	3655.9	3681.4	3715.3	<i>3704.6</i>
27.5°	3579.8	3570.2	3599.4	3625.5	<i>3604.7</i>
30°	3478.7	3473.3	3512.0	3533.4	<i>3507.2</i>
32.5°	3368.7	3370.5	3407.3	3436.5	<i>3412.1</i>
35°	3254.5	3262.3	3295.6	3330.6	<i>3317.6</i>
37.5°	3129.1	3146.3	3179.6	3219.5	<i>3205.8</i>
40°	2996.5	3021.5	3058.3	3106.5	<i>3094.0</i>
42.5°	2853.2	2884.7	2932.3	2985.8	<i>2984.6</i>
45°	2701.0	2745.0	2796.1	2867.5	<i>2876.4</i>
47.5°	2542.9	2592.2	2657.0	2752.1	<i>2765.8</i>
50°	2371.0	2432.9	2513.7	2627.9	<i>2636.2</i>
52.5°	2179.6	2264.0	2371.0	2480.4	<i>2470.3</i>
55°	1987.6	2083.3	2225.4	2314.6	<i>2309.2</i>
57.5°	1796.1	1903.7	2076.2	2139.8	<i>2139.2</i>
60°	1582.1	1718.2	1906.7	1954.9	<i>1907.3</i>
62.5°	1384.1	1530.4	1726.0	1690.9	<i>1528.0</i>
65°	1166.5	1349.0	1531.5	1292.5	<i>1055.3</i>
67.5°	973.3	1163.5	1300.9	885.3	<i>758.0</i>
70°	778.9	988.7	1014.3	657.0	<i>648.1</i>
72.5°	606.4	830.0	699.8	562.4	<i>591.0</i>
75°	459.0	665.9	489.9	501.2	<i>533.9</i>
77.5°	334.7	511.3	381.1	439.4	<i>466.1</i>
80°	230.1	362.1	310.9	369.2	<i>387.6</i>
82.5°	144.5	239.0	249.1	297.3	<i>316.3</i>
85°	79.1	151.6	194.4	234.8	<i>246.1</i>
87.5°	32.7	91.6	148.6	181.3	<i>190.8</i>
90°	0.6	50.5	100.5	126.0	<i>132.0</i>
92.5°	0.6	38.6	82.0	101.7	<i>105.8</i>
95°	0.6	31.5	69.0	83.8	<i>86.2</i>
97.5°	1.2	25.0	57.7	69.6	<i>71.9</i>
100°	1.8	20.8	48.2	58.3	<i>60.0</i>
102.5°	2.4	16.6	40.4	48.8	<i>50.5</i>
105°	2.4	13.7	33.9	41.0	<i>42.8</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.2	8.3	20.2	25.6	26.8
115°	4.8	7.1	17.2	22.0	23.2
117.5°	4.8	5.9	14.9	18.4	19.6
120°	4.8	5.4	13.1	16.1	16.6
122.5°	4.8	4.8	11.3	14.3	14.9
125°	4.2	4.8	10.7	12.5	13.1
127.5°	4.8	4.8	9.5	11.3	11.9
130°	4.8	5.4	8.3	10.7	10.7
132.5°	5.4	5.9	7.7	10.1	10.1
135°	5.4	5.9	6.5	9.5	10.1
137.5°	5.9	5.9	5.9	8.9	9.5
140°	5.9	5.9	5.4	7.7	8.3
142.5°	5.4	5.9	5.4	7.1	7.7
145°	5.4	5.9	5.9	6.5	7.1
147.5°	5.9	5.9	5.9	5.9	6.5
150°	5.9	5.9	5.9	5.9	5.9
152.5°	5.9	5.9	5.9	5.9	5.9
155°	5.9	6.5	6.5	6.5	5.9
157.5°	5.9	6.5	6.5	6.5	6.5
160°	5.9	6.5	6.5	6.5	6.5
162.5°	6.5	6.5	6.5	6.5	6.5
165°	6.5	6.5	6.5	6.5	6.5
167.5°	6.5	7.1	6.5	6.5	6.5
170°	6.5	6.5	6.5	5.9	5.9
172.5°	6.5	6.5	6.5	5.9	5.9
175°	6.5	6.5	5.9	5.4	5.4
177.5°	7.1	6.5	5.9	5.4	4.8
180°	5.9	5.9	5.9	5.9	5.9



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.0	11.3	29.1	35.1	36.3
110°	3.6	9.5	24.4	29.7	30.9



(END OF REPORT)