

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: P830784

Luminaire Tested: **OHBL-72SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830784  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-72SE-N-UNV-L935-CD  
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

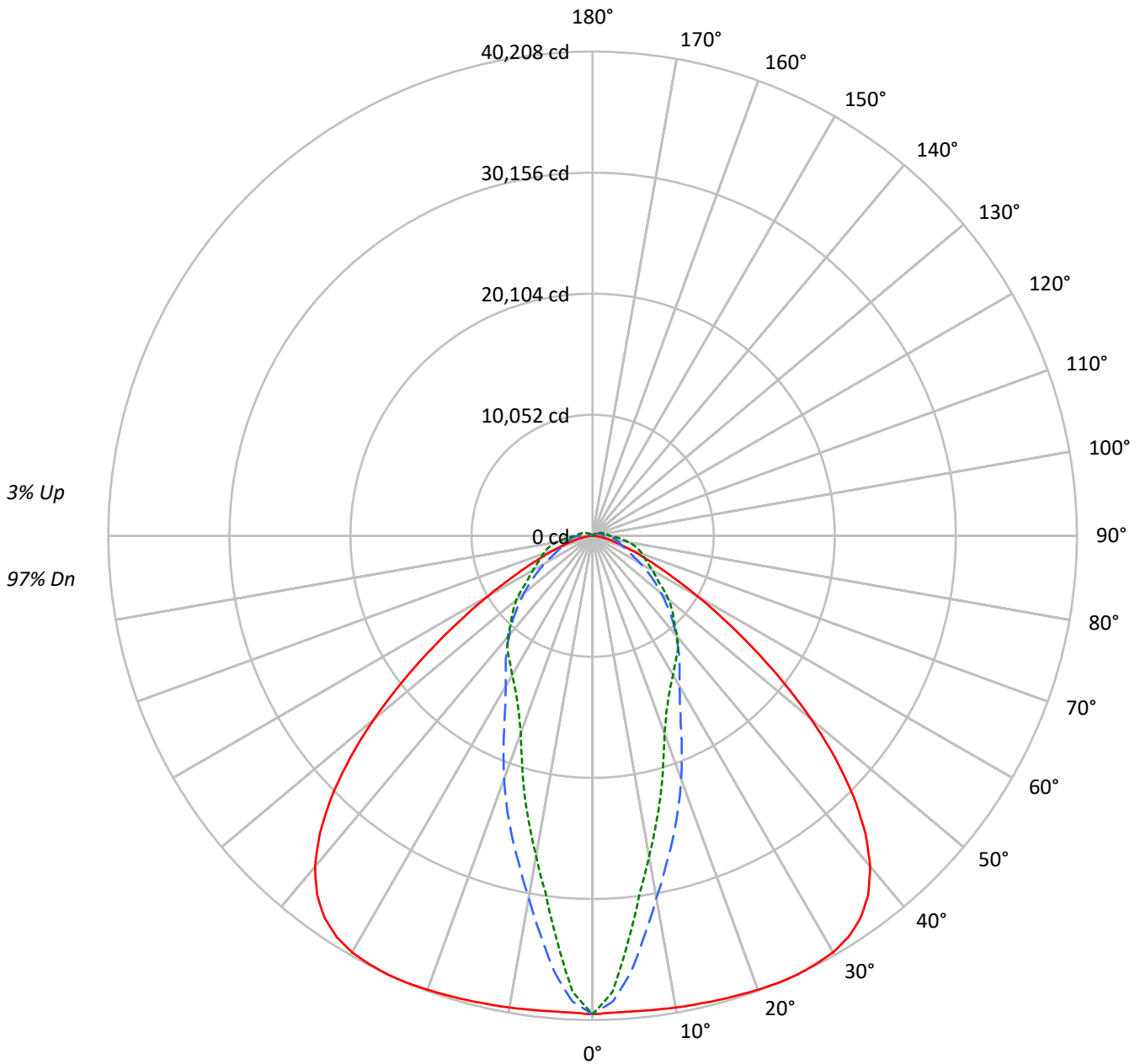
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58623.0 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 413.7  
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

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

	0°	45°	90°
0°	62817	62817	62817
5°	62689	57231	53221
10°	63396	48230	42703
15°	64634	41267	35072
20°	66450	34909	28386
25°	68748	28909	24889
30°	71124	24918	23139
35°	72604	22722	22063
40°	71362	20538	20950
45°	65650	18573	19415
50°	55388	16422	18244
55°	42087	14398	16257
60°	29494	12363	15590
65°	19839	10663	15296
70°	13549	10027	16094
75°	9402	10372	17269
80°	6473	11542	17900
85°	3786	14568	19027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3343.6	5.7
10°-20°	7865.6	13.4
20°-30°	9859.5	16.8
30°-40°	10462.0	17.8
40°-50°	9459.3	16.1
50°-60°	6858.6	11.7
60°-70°	4304.1	7.3
70°-80°	2848.3	4.9
80°-90°	1640.9	2.8
90°-100°	795.0	1.4
100°-110°	548.7	0.9
110°-120°	338.6	0.6
120°-130°	164.0	0.3
130°-140°	75.4	0.1
140°-150°	41.2	0.1
150°-160°	17.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	21068.7	35.9
0°-40°	31530.8	53.8
0°-60°	47848.8	81.6
0°-90°	56642.2	96.6
90°-120°	1682.3	2.9
90°-150°	1962.9	3.3
90°-180°	1981.0	3.4
0°-180°	58623.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	39720	39720	39720	39720	39720	
5°	39641	38624	36356	34670	33796	###
15°	39943	32556	25858	22996	21952	11328
25°	40208	25173	17314	15367	14880	18575
35°	38768	16736	12566	12173	12169	24100
45°	30647	10600	9107	9326	9485	23347
55°	16225	6570	5943	6446	6676	14660
65°	5803	3811	3440	4408	4899	6038
75°	1792	2053	2310	3588	3803	1997
85°	314	851	1690	2351	2159	376
90°	0	355	979	1380	1391	20
95°	15	250	862	1172	1225	13
105°	30	166	628	832	854	30
115°	42	117	423	529	541	41
125°	45	60	216	272	268	39
135°	38	45	94	147	147	30
145°	45	49	57	87	83	27
155°	45	57	60	64	57	14
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	39720.2	39720.2	39720.2	39720.2	39720.2
2.5°	39637.0	39410.2	38703.3	38272.3	37909.4
5°	39640.8	38623.9	36355.7	34669.7	33796.4
7.5°	39697.5	37436.9	33350.3	30889.3	29929.1
10°	39784.5	35966.3	30545.3	27921.7	27025.8
12.5°	39848.7	34310.5	28076.7	25381.3	24398.4
15°	39943.2	32556.4	25857.6	22995.9	21952.5
17.5°	40030.2	30904.4	23665.0	20674.8	19514.2
20°	40117.1	29123.9	21472.4	18391.4	17435.0
22.5°	40200.3	27245.0	19332.7	16618.4	15964.4
25°	40207.9	25173.4	17314.0	15367.2	14879.5
27.5°	40109.6	23026.2	15677.1	14320.0	14017.6
30°	39939.5	20943.2	14406.9	13563.9	13348.4
32.5°	39516.1	18818.6	13424.0	12834.3	12709.6
35°	38767.6	16735.6	12565.9	12172.7	12169.0
37.5°	37588.1	14887.0	11635.9	11567.9	11651.1
40°	35845.3	13269.1	10755.1	10936.6	10936.6
42.5°	33520.4	11862.8	9957.5	10142.7	10093.6
45°	30647.4	10600.1	9106.9	9326.1	9484.9
47.5°	27316.9	9488.7	8237.4	8660.8	8880.1
50°	23695.3	8430.2	7443.5	7984.1	8233.6
52.5°	19899.8	7451.1	6668.5	7288.5	7488.9
55°	16225.3	6570.3	5942.7	6445.5	6676.1
57.5°	12898.6	5731.0	5232.0	5708.3	6184.7
60°	10036.8	5009.0	4562.9	5243.4	5719.7
62.5°	7666.6	4366.3	3935.4	4808.6	5284.9
65°	5802.8	3810.6	3440.1	4407.9	4899.3
67.5°	4373.9	3330.5	3054.5	4116.8	4596.9
70°	3285.1	2865.5	2744.5	3935.4	4366.3
72.5°	2427.0	2438.3	2498.8	3776.6	4105.5
75°	1791.9	2052.7	2309.8	3587.6	3803.0
77.5°	1281.5	1701.2	2139.7	3360.7	3436.3
80°	888.4	1387.4	1962.0	3062.1	2997.8
82.5°	555.7	1111.4	1803.2	2733.2	2555.5
85°	313.8	850.6	1689.8	2351.4	2158.6
87.5°	139.9	635.1	1478.1	1833.5	1712.5
90°	0.0	355.4	979.1	1379.8	1391.2
92.5°	7.6	294.9	903.5	1262.6	1300.4
95°	15.1	249.5	861.9	1171.9	1224.8
97.5°	18.9	219.3	809.0	1088.7	1134.1
100°	22.7	196.6	744.7	1001.8	1039.6
102.5°	26.5	181.5	684.2	911.1	941.3
105°	30.2	166.3	627.5	831.7	854.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	37.8	128.5	472.5	597.3	616.2
115°	41.6	117.2	423.4	529.2	540.6
117.5°	45.4	102.1	370.5	465.0	468.8
120°	45.4	90.7	317.5	396.9	396.9
122.5°	45.4	75.6	264.6	328.9	325.1
125°	45.4	60.5	215.5	272.2	268.4
127.5°	41.6	49.1	173.9	226.8	223.0
130°	41.6	49.1	139.9	192.8	192.8
132.5°	37.8	45.4	113.4	166.3	166.3
135°	37.8	45.4	94.5	147.4	147.4
137.5°	37.8	49.1	79.4	128.5	128.5
140°	37.8	45.4	68.0	113.4	113.4
142.5°	41.6	45.4	60.5	98.3	98.3
145°	45.4	49.1	56.7	86.9	83.2
147.5°	45.4	52.9	56.7	75.6	71.8
150°	45.4	56.7	56.7	68.0	64.3
152.5°	45.4	56.7	56.7	64.3	60.5
155°	45.4	56.7	60.5	64.3	56.7
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°	30.2	155.0	574.6	744.7	771.2
110°	34.0	139.9	525.5	665.3	691.8



(END OF REPORT)