

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: P830892

Luminaire Tested: **OHBL-9HE-A-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830892  
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-9HE-A-UNV-L935-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

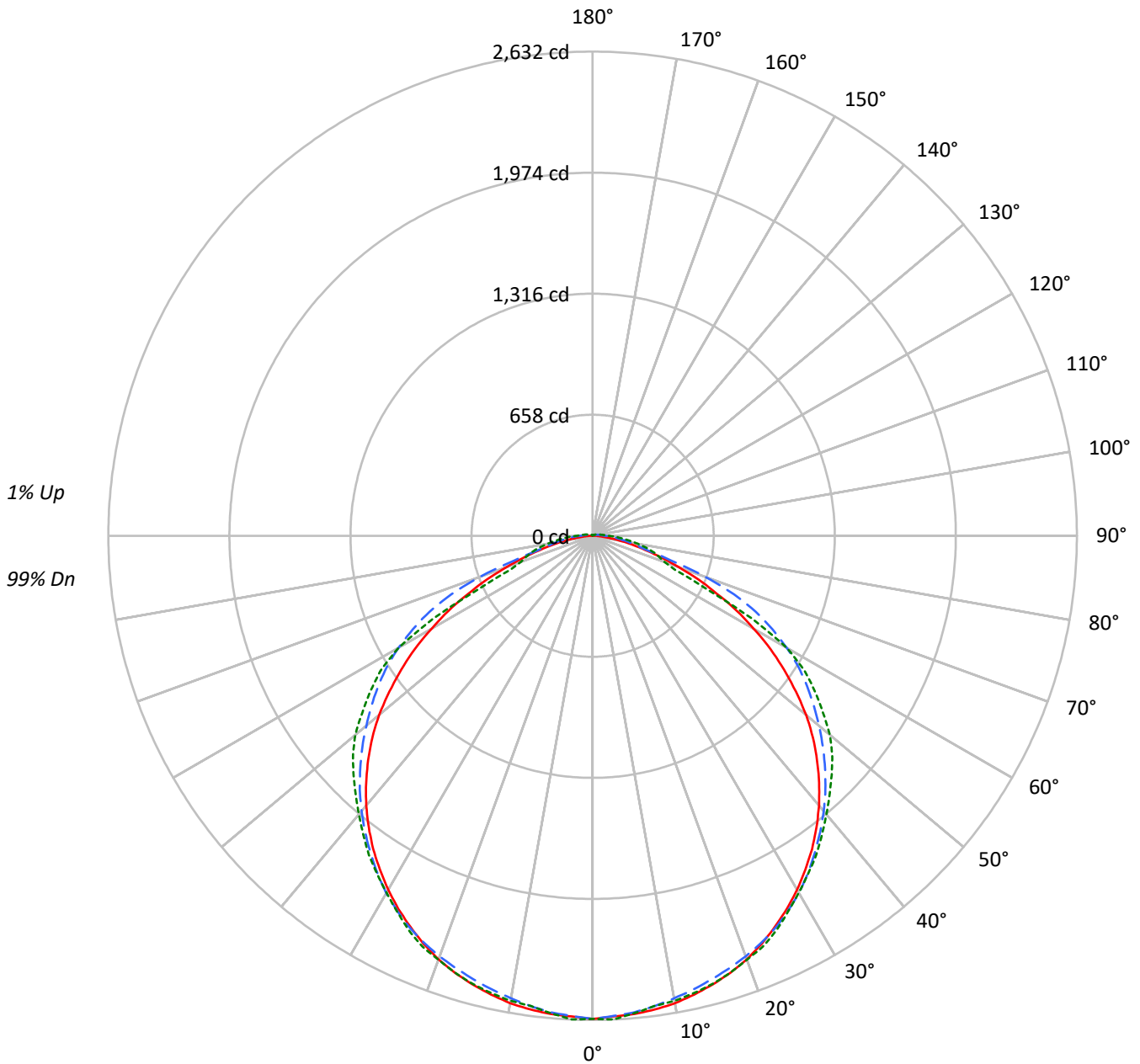
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7423.0 lumens  
Efficiency: N/A  
Efficacy: 142.7 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): 52  
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	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°	4486	4486	4486
5°	4456	4419	4427
10°	4440	4350	4375
15°	4412	4298	4343
20°	4384	4264	4301
25°	4331	4230	4260
30°	4273	4178	4177
35°	4204	4097	4129
40°	4115	4012	4065
45°	3991	3915	4034
50°	3823	3804	3998
55°	3556	3695	3843
60°	3207	3536	3547
65°	2751	3244	2243
70°	2216	2527	1621
75°	1662	1496	1639
80°	1157	1238	1554
85°	658	1124	1437



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.6	3.3
10°-20°	710.1	9.6
20°-30°	1084.5	14.6
30°-40°	1315.9	17.7
40°-50°	1379.2	18.6
50°-60°	1249.8	16.8
60°-70°	837.9	11.3
70°-80°	376.3	5.1
80°-90°	136.5	1.8
90°-100°	41.1	0.6
100°-110°	19.4	0.3
110°-120°	9.7	0.1
120°-130°	5.4	0.1
130°-140°	3.7	0.0
140°-150°	2.5	0.0
150°-160°	1.8	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	2042.3	27.5
0°-40°	3358.2	45.2
0°-60°	5987.1	80.7
0°-90°	7337.8	98.9
90°-120°	70.2	0.9
90°-150°	81.7	1.1
90°-180°	85.0	1.1
0°-180°	7423.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2626	2626	2626	2626	2626	
5°	2609	2618	2600	2608	2605	248
15°	2524	2515	2497	2519	2522	713
25°	2345	2335	2351	2373	2366	1081
35°	2079	2084	2105	2127	2119	1299
45°	1725	1753	1786	1832	1837	1329
55°	1270	1331	1421	1478	1475	1133
65°	745	862	978	826	674	742
75°	293	425	313	320	341	320
85°	50	97	124	150	157	62
90°	0	32	64	80	84	3
95°	0	20	44	54	55	1
105°	2	9	22	26	27	2
115°	3	5	11	14	15	3
125°	3	3	7	8	8	3
135°	3	4	4	6	6	3
145°	3	4	4	4	5	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	4	4	4	3	3	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2626.3	2626.3	2626.3	2626.3	2626.3
2.5°	2615.6	2626.6	2613.0	2627.8	2631.6
5°	2609.2	2618.3	2600.1	2608.0	2604.6
7.5°	2597.4	2600.4	2578.8	2585.3	2578.4
10°	2579.9	2578.4	2553.0	2565.5	2567.0
12.5°	2554.1	2549.6	2526.8	2545.8	2546.1
15°	2524.5	2514.6	2496.8	2518.8	2521.8
17.5°	2490.3	2477.4	2465.6	2494.1	2489.6
20°	2450.4	2435.3	2433.0	2464.1	2452.7
22.5°	2401.1	2389.3	2394.6	2424.2	2417.0
25°	2345.3	2335.0	2351.3	2373.0	2366.1
27.5°	2286.4	2280.3	2298.9	2315.6	2302.3
30°	2221.8	2218.4	2243.1	2256.8	2240.1
32.5°	2151.6	2152.7	2176.3	2194.9	2179.3
35°	2078.7	2083.6	2104.9	2127.3	2118.9
37.5°	1998.6	2009.6	2030.8	2056.3	2047.5
40°	1913.9	1929.8	1953.4	1984.1	1976.2
42.5°	1822.4	1842.5	1872.9	1907.0	1906.3
45°	1725.1	1753.2	1785.9	1831.5	1837.2
47.5°	1624.1	1655.7	1697.0	1757.8	1766.5
50°	1514.4	1553.9	1605.5	1678.4	1683.8
52.5°	1392.1	1446.0	1514.4	1584.3	1577.8
55°	1269.5	1330.6	1421.4	1478.3	1474.9
57.5°	1147.2	1215.9	1326.0	1366.7	1366.3
60°	1010.5	1097.4	1217.8	1248.6	1218.2
62.5°	884.0	977.4	1102.4	1080.0	975.9
65°	745.0	861.6	978.2	825.5	674.0
67.5°	621.6	743.1	830.9	565.4	484.2
70°	497.5	631.5	647.8	419.6	413.9
72.5°	387.3	530.1	447.0	359.2	377.5
75°	293.2	425.3	312.9	320.1	341.0
77.5°	213.8	326.6	243.4	280.6	297.7
80°	147.0	231.3	198.6	235.8	247.6
82.5°	92.3	152.7	159.1	189.9	202.0
85°	50.5	96.8	124.2	150.0	157.2
87.5°	20.9	58.5	94.9	115.8	121.9
90°	0.4	32.3	64.2	80.5	84.3
92.5°	0.4	24.7	52.4	64.9	67.6
95°	0.4	20.1	44.0	53.5	55.1
97.5°	0.8	15.9	36.8	44.4	45.9
100°	1.1	13.3	30.8	37.2	38.4
102.5°	1.5	10.6	25.8	31.1	32.3
105°	1.5	8.7	21.6	26.2	27.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	5.3	12.9	16.3	17.1
115°	3.0	4.6	11.0	14.1	14.8
117.5°	3.0	3.8	9.5	11.8	12.5
120°	3.0	3.4	8.4	10.3	10.6
122.5°	3.0	3.0	7.2	9.1	9.5
125°	2.7	3.0	6.8	8.0	8.4
127.5°	3.0	3.0	6.1	7.2	7.6
130°	3.0	3.4	5.3	6.8	6.8
132.5°	3.4	3.8	4.9	6.5	6.5
135°	3.4	3.8	4.2	6.1	6.5
137.5°	3.8	3.8	3.8	5.7	6.1
140°	3.8	3.8	3.4	4.9	5.3
142.5°	3.4	3.8	3.4	4.6	4.9
145°	3.4	3.8	3.8	4.2	4.6
147.5°	3.8	3.8	3.8	3.8	4.2
150°	3.8	3.8	3.8	3.8	3.8
152.5°	3.8	3.8	3.8	3.8	3.8
155°	3.8	4.2	4.2	4.2	3.8
157.5°	3.8	4.2	4.2	4.2	4.2
160°	3.8	4.2	4.2	4.2	4.2
162.5°	4.2	4.2	4.2	4.2	4.2
165°	4.2	4.2	4.2	4.2	4.2
167.5°	4.2	4.6	4.2	4.2	4.2
170°	4.2	4.2	4.2	3.8	3.8
172.5°	4.2	4.2	4.2	3.8	3.8
175°	4.2	4.2	3.8	3.4	3.4
177.5°	4.6	4.2	3.8	3.4	3.0
180°	3.8	3.8	3.8	3.8	3.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1.9	7.2	18.6	22.4	23.2
110°	2.3	6.1	15.6	19.0	19.7



(END OF REPORT)