

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: P830904

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830904  
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-MCL-UNV-L935-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

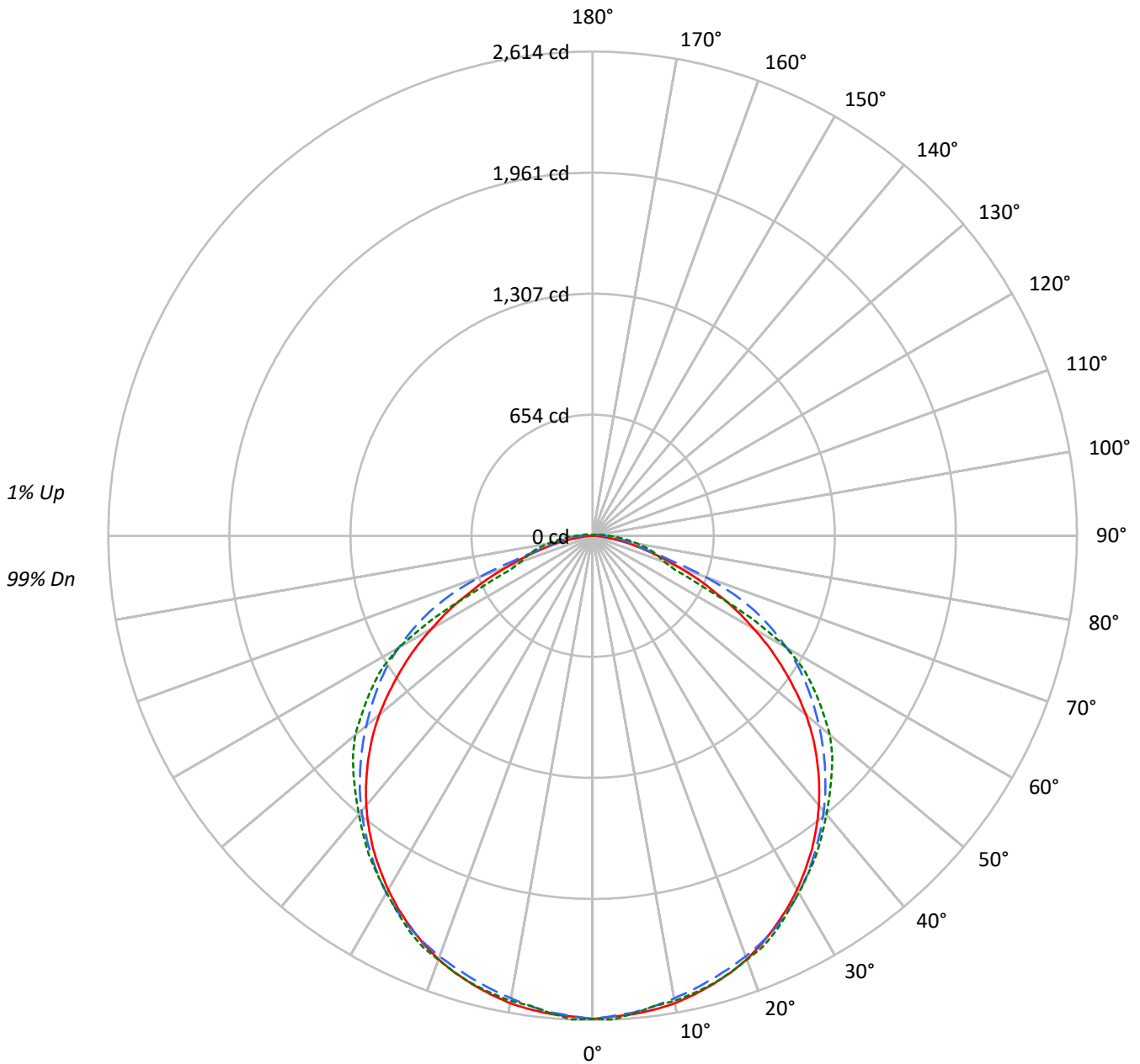
Lumens per Lamp: N/A  
Luminaire Lumens: 7372.0 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct

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°	4455	4455	4455
5°	4426	4388	4396
10°	4409	4320	4345
15°	4381	4268	4313
20°	4353	4235	4272
25°	4301	4201	4231
30°	4244	4149	4148
35°	4176	4068	4101
40°	4087	3985	4037
45°	3964	3888	4006
50°	3797	3778	3970
55°	3532	3669	3817
60°	3185	3512	3522
65°	2732	3222	2228
70°	2200	2510	1610
75°	1650	1486	1628
80°	1148	1229	1543
85°	654	1116	1427



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.9	3.3
10°-20°	705.2	9.6
20°-30°	1077.1	14.6
30°-40°	1306.9	17.7
40°-50°	1369.7	18.6
50°-60°	1241.2	16.8
60°-70°	832.2	11.3
70°-80°	373.7	5.1
80°-90°	135.6	1.8
90°-100°	40.8	0.6
100°-110°	19.3	0.3
110°-120°	9.7	0.1
120°-130°	5.3	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°	2028.2	27.5
0°-40°	3335.1	45.2
0°-60°	5946.0	80.7
0°-90°	7287.5	98.9
90°-120°	69.7	0.9
90°-150°	81.2	1.1
90°-180°	85.0	1.2
0°-180°	7372.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2608	2608	2608	2608	2608	
5°	2591	2600	2582	2590	2587	246
15°	2507	2497	2480	2502	2504	708
25°	2329	2319	2335	2357	2350	1074
35°	2064	2069	2090	2113	2104	1290
45°	1713	1741	1774	1819	1824	1320
55°	1261	1322	1412	1468	1465	1125
65°	740	856	972	820	669	737
75°	291	422	311	318	339	318
85°	50	96	123	149	156	61
90°	0	32	64	80	84	3
95°	0	20	44	53	55	1
105°	2	9	22	26	27	2
115°	3	4	11	14	15	3
125°	3	3	7	8	8	3
135°	3	4	4	6	6	3
145°	3	4	4	4	4	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°	2608.2	2608.2	2608.2	2608.2	2608.2
2.5°	2597.7	2608.6	2595.0	2609.7	2613.5
5°	2591.2	2600.3	2582.2	2590.1	2586.7
7.5°	2579.6	2582.6	2561.1	2567.5	2560.7
10°	2562.2	2560.7	2535.4	2547.9	2549.4
12.5°	2536.6	2532.0	2509.4	2528.3	2528.6
15°	2507.1	2497.3	2479.6	2501.5	2504.5
17.5°	2473.2	2460.4	2448.7	2477.0	2472.5
20°	2433.6	2418.5	2416.3	2447.2	2435.9
22.5°	2384.6	2372.9	2378.2	2407.6	2400.4
25°	2329.1	2319.0	2335.2	2356.7	2349.9
27.5°	2270.7	2264.7	2283.1	2299.7	2286.5
30°	2206.6	2203.2	2227.7	2241.3	2224.7
32.5°	2136.8	2137.9	2161.3	2179.8	2164.3
35°	2064.4	2069.3	2090.4	2112.7	2104.4
37.5°	1984.8	1995.8	2016.9	2042.2	2033.5
40°	1900.7	1916.6	1939.9	1970.5	1962.6
42.5°	1809.8	1829.8	1860.0	1893.9	1893.2
45°	1713.3	1741.2	1773.6	1818.9	1824.5
47.5°	1613.0	1644.3	1685.4	1745.7	1754.4
50°	1504.0	1543.2	1594.5	1666.9	1672.2
52.5°	1382.6	1436.1	1504.0	1573.4	1567.0
55°	1260.7	1321.5	1411.6	1468.2	1464.8
57.5°	1139.3	1207.6	1316.9	1357.3	1356.9
60°	1003.5	1089.9	1209.5	1240.0	1209.8
62.5°	878.0	970.7	1094.8	1072.6	969.2
65°	739.9	855.7	971.5	819.9	669.4
67.5°	617.4	738.0	825.2	561.5	480.8
70°	494.0	627.2	643.4	416.7	411.1
72.5°	384.7	526.5	443.9	356.8	374.9
75°	291.1	422.4	310.8	317.9	338.7
77.5°	212.3	324.3	241.7	278.7	295.7
80°	145.9	229.7	197.2	234.2	245.9
82.5°	91.6	151.6	158.0	188.6	200.6
85°	50.2	96.2	123.3	149.0	156.1
87.5°	20.7	58.1	94.3	115.0	121.1
90°	0.4	32.1	63.7	80.0	83.7
92.5°	0.4	24.5	52.0	64.5	67.1
95°	0.4	20.0	43.7	53.2	54.7
97.5°	0.8	15.8	36.6	44.1	45.6
100°	1.1	13.2	30.5	37.0	38.1
102.5°	1.5	10.6	25.6	30.9	32.1
105°	1.5	8.7	21.5	26.0	27.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	5.3	12.8	16.2	17.0
115°	3.0	4.5	10.9	14.0	14.7
117.5°	3.0	3.8	9.4	11.7	12.4
120°	3.0	3.4	8.3	10.2	10.6
122.5°	3.0	3.0	7.2	9.1	9.4
125°	2.6	3.0	6.8	7.9	8.3
127.5°	3.0	3.0	6.0	7.2	7.5
130°	3.0	3.4	5.3	6.8	6.8
132.5°	3.4	3.8	4.9	6.4	6.4
135°	3.4	3.8	4.1	6.0	6.4
137.5°	3.8	3.8	3.8	5.7	6.0
140°	3.8	3.8	3.4	4.9	5.3
142.5°	3.4	3.8	3.4	4.5	4.9
145°	3.4	3.8	3.8	4.1	4.5
147.5°	3.8	3.8	3.8	3.8	4.1
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	4.1	4.1	4.1	3.8
157.5°	3.8	4.1	4.1	4.1	4.1
160°	3.8	4.1	4.1	4.1	4.1
162.5°	4.1	4.1	4.1	4.1	4.1
165°	4.1	4.1	4.1	4.1	4.1
167.5°	4.1	4.5	4.1	4.1	4.1
170°	4.1	4.1	4.1	3.8	3.8
172.5°	4.1	4.1	4.1	3.8	3.8
175°	4.1	4.1	3.8	3.4	3.4
177.5°	4.5	4.1	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	18.5	22.3	23.0
110°	2.3	6.0	15.5	18.9	19.6



(END OF REPORT)