

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: P829550

Luminaire Tested: **OHB-9HE-MFL-UNV-L950-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829550  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-9HE-MFL-UNV-L950-CD  
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

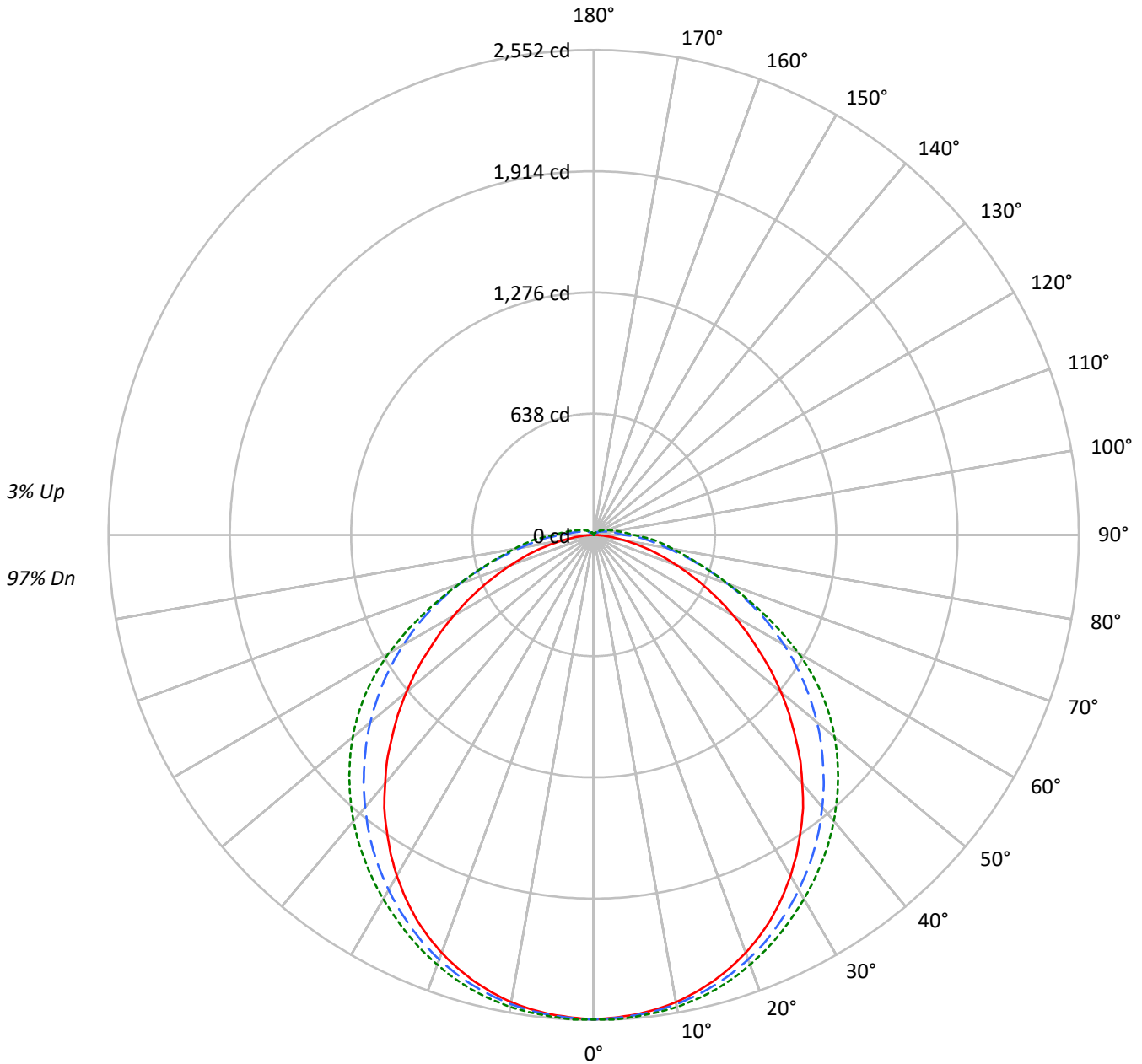
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7631.0 lumens  
Efficiency: N/A  
Efficacy: 146.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' 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									
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	8518	8518	8518
5°	8432	8411	8457
10°	8342	8312	8407
15°	8218	8199	8344
20°	8064	8065	8253
25°	7867	7905	8162
30°	7608	7733	8069
35°	7301	7551	7988
40°	6938	7344	7908
45°	6516	7120	7807
50°	6058	6890	7684
55°	5504	6613	7483
60°	4937	6290	7089
65°	4321	5885	6449
70°	3656	5375	5756
75°	2979	4785	5278
80°	2152	4301	5201
85°	1230	4239	5735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.6	3.2
10°-20°	693.1	9.1
20°-30°	1048.2	13.7
30°-40°	1258.4	16.5
40°-50°	1299.7	17.0
50°-60°	1169.4	15.3
60°-70°	880.9	11.5
70°-80°	531.9	7.0
80°-90°	260.2	3.4
90°-100°	109.5	1.4
100°-110°	62.5	0.8
110°-120°	36.7	0.5
120°-130°	20.7	0.3
130°-140°	10.9	0.1
140°-150°	5.3	0.1
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1983.0	26.0
0°-40°	3241.4	42.5
0°-60°	5710.5	74.8
0°-90°	7383.4	96.8
90°-120°	208.7	2.7
90°-150°	245.7	3.2
90°-180°	248.0	3.2
0°-180°	7631.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2550	2550	2550	2550	2550	
5°	2534	2540	2537	2547	2544	241
15°	2431	2443	2454	2475	2477	685
25°	2220	2245	2276	2312	2318	1021
35°	1898	1943	2022	2084	2096	1187
45°	1498	1574	1706	1798	1818	1157
55°	1062	1171	1349	1451	1468	952
65°	648	780	955	1002	991	644
75°	305	438	553	567	562	326
85°	64	168	277	315	321	74
90°	0	66	158	200	208	4
95°	3	44	119	151	157	3
105°	4	26	69	90	94	4
115°	5	14	42	57	59	5
125°	5	7	26	37	39	5
135°	4	6	13	22	25	3
145°	6	6	6	11	13	4
155°	6	7	6	6	6	2
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°	2549.8	2549.8	2549.8	2549.8	2549.8
2.5°	2542.3	2548.5	2544.8	2552.9	2552.3
5°	2533.5	2540.4	2537.3	2547.3	2544.1
7.5°	2518.6	2526.0	2525.4	2536.7	2535.4
10°	2496.7	2504.8	2507.3	2522.3	2522.3
12.5°	2466.8	2477.4	2483.6	2501.7	2502.3
15°	2431.2	2443.1	2454.3	2474.9	2477.4
17.5°	2388.1	2403.1	2418.7	2442.4	2445.5
20°	2339.5	2356.3	2377.5	2402.5	2406.2
22.5°	2283.3	2303.3	2330.7	2360.1	2364.4
25°	2220.3	2244.6	2276.4	2312.0	2317.6
27.5°	2148.5	2176.6	2219.7	2259.6	2264.6
30°	2070.5	2103.6	2157.2	2204.7	2212.8
32.5°	1988.1	2026.2	2092.4	2145.4	2156.6
35°	1898.3	1942.6	2022.5	2083.6	2096.1
37.5°	1809.7	1858.3	1948.8	2018.7	2033.7
40°	1706.1	1766.6	1870.2	1947.6	1965.7
42.5°	1608.7	1674.3	1791.6	1875.8	1893.3
45°	1498.3	1573.8	1705.5	1798.4	1817.8
47.5°	1394.7	1476.4	1622.5	1718.6	1738.5
50°	1285.5	1375.3	1533.8	1634.3	1654.9
52.5°	1176.3	1273.0	1442.1	1546.3	1565.7
55°	1061.5	1171.3	1349.1	1450.9	1468.3
57.5°	954.8	1070.8	1253.7	1350.4	1361.0
60°	849.3	969.7	1156.3	1241.2	1244.9
62.5°	746.3	873.0	1056.5	1123.9	1118.9
65°	647.7	780.0	954.8	1002.2	990.9
67.5°	552.9	689.5	850.5	881.1	866.1
70°	463.0	601.6	749.5	765.1	751.3
72.5°	383.8	517.9	647.1	660.2	650.2
75°	305.1	438.1	552.9	567.2	561.6
77.5°	231.5	360.7	466.1	484.9	486.1
80°	166.6	290.2	390.6	420.0	423.7
82.5°	109.8	225.3	327.6	365.1	370.7
85°	63.7	167.9	277.1	315.1	320.7
87.5°	27.5	121.1	222.8	257.1	264.0
90°	0.0	65.5	158.5	199.7	207.8
92.5°	1.9	54.3	136.0	173.5	180.3
95°	3.1	44.3	118.6	151.0	156.6
97.5°	3.7	37.4	103.0	131.7	137.3
100°	3.7	32.4	89.2	115.4	120.4
102.5°	3.7	28.7	78.0	101.1	105.5
105°	4.4	25.6	68.6	89.9	93.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.0	16.8	47.4	63.7	66.1
115°	5.0	14.4	42.4	56.8	59.3
117.5°	5.6	12.5	37.4	51.2	53.0
120°	5.6	10.6	33.1	45.6	48.0
122.5°	5.6	8.7	29.3	41.2	43.1
125°	5.0	6.9	25.6	36.8	38.7
127.5°	4.4	5.6	21.8	33.1	34.9
130°	4.4	5.0	18.7	29.3	31.2
132.5°	4.4	5.6	15.6	25.6	28.1
135°	4.4	5.6	13.1	22.5	25.0
137.5°	4.4	5.6	10.6	19.3	21.8
140°	5.0	5.6	8.7	16.2	18.7
142.5°	5.6	5.6	6.9	13.7	15.6
145°	6.2	5.6	6.2	11.2	13.1
147.5°	6.2	6.2	6.2	8.7	10.6
150°	6.2	6.9	6.2	6.9	8.7
152.5°	6.2	6.9	6.2	5.6	6.9
155°	6.2	6.9	6.2	5.6	6.2
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°	4.4	22.5	60.5	79.9	83.0
110°	4.4	20.0	53.7	71.1	74.3



(END OF REPORT)