

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: P830951

Luminaire Tested: **OHBL-9HE-W-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-W-UNV-L930-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

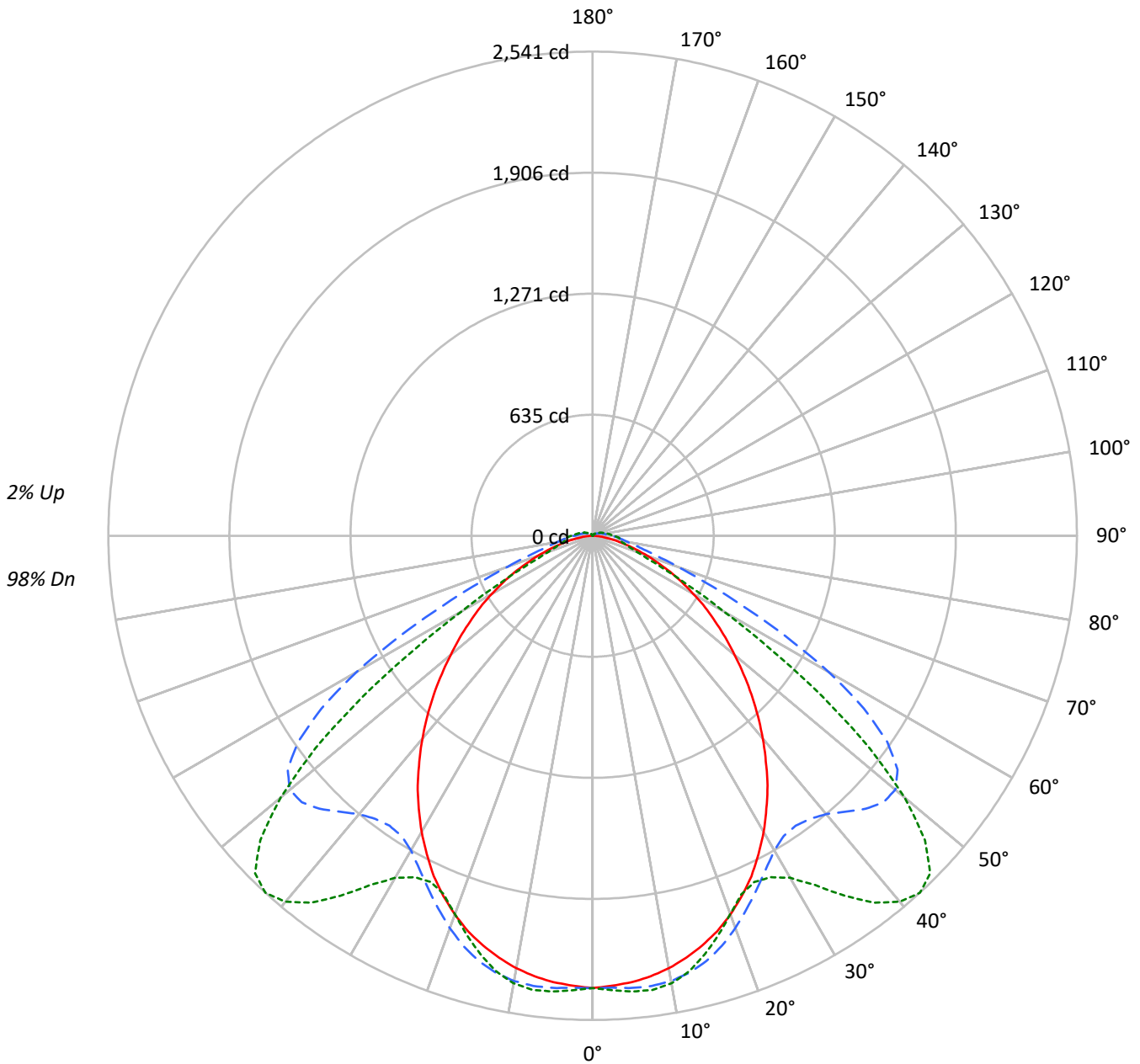
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7107.0 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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 (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				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	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4054	4054	4054
5°	4016	4048	4080
10°	3966	4042	4065
15°	3889	3975	3916
20°	3783	3839	3705
25°	3641	3673	3611
30°	3452	3550	3863
35°	3237	3616	4492
40°	2987	3916	5157
45°	2726	4442	5500
50°	2454	4912	5071
55°	2198	4906	3832
60°	1937	4150	2311
65°	1662	2865	1375
70°	1351	1852	969
75°	1027	1327	866
80°	737	1165	919
85°	500	1279	1278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	3.2
10°-20°	642.3	9.0
20°-30°	939.9	13.2
30°-40°	1220.7	17.2
40°-50°	1490.6	21.0
50°-60°	1312.7	18.5
60°-70°	684.0	9.6
70°-80°	293.4	4.1
80°-90°	140.9	2.0
90°-100°	66.2	0.9
100°-110°	41.1	0.6
110°-120°	24.3	0.3
120°-130°	13.2	0.2
130°-140°	6.6	0.1
140°-150°	3.2	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1809.0	25.5
0°-40°	3029.7	42.6
0°-60°	5832.9	82.1
0°-90°	6951.2	97.8
90°-120°	131.7	1.9
90°-150°	154.7	2.2
90°-180°	156.0	2.2
0°-180°	7107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2352	2370	2382	2403	2401	223
15°	2225	2288	2310	2292	2274	627
25°	1972	2077	2042	2003	2005	905
35°	1600	1769	1858	2167	2306	997
45°	1178	1482	2026	2454	2505	909
55°	784	1299	1887	1655	1471	704
65°	450	900	864	480	413	445
75°	181	421	278	190	180	198
85°	38	150	141	138	140	43
90°	0	54	93	106	109	3
95°	1	32	74	87	90	1
105°	2	18	48	58	59	2
115°	3	10	30	36	37	3
125°	4	5	17	22	23	3
135°	3	3	8	14	14	2
145°	4	3	4	7	8	2
155°	4	4	3	3	3	1
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°	2373.6	2373.6	2373.6	2373.6	2373.6
2.5°	2363.4	2373.6	2374.1	2388.5	2386.9
5°	2351.6	2369.5	2382.3	2403.3	2400.7
7.5°	2332.1	2360.3	2382.8	2405.9	2403.8
10°	2304.5	2342.9	2372.6	2391.5	2385.4
12.5°	2268.6	2319.3	2348.5	2352.6	2340.8
15°	2225.1	2287.6	2309.6	2292.2	2273.7
17.5°	2175.9	2249.2	2256.8	2219.0	2195.9
20°	2114.5	2198.0	2190.3	2138.0	2112.4
22.5°	2046.4	2141.6	2117.0	2062.2	2037.7
25°	1971.6	2077.1	2041.8	2003.4	2005.4
27.5°	1884.0	2003.9	1969.6	1987.0	2019.7
30°	1794.9	1927.1	1906.1	2007.5	2072.0
32.5°	1697.1	1848.2	1867.1	2067.4	2172.9
35°	1600.3	1769.3	1857.9	2166.7	2305.5
37.5°	1493.3	1689.4	1872.8	2281.4	2426.9
40°	1389.3	1611.6	1906.6	2384.4	2507.3
42.5°	1283.3	1541.9	1963.4	2445.3	2541.1
45°	1178.4	1482.5	2026.4	2453.5	2504.7
47.5°	1073.4	1432.4	2069.9	2388.5	2364.9
50°	972.0	1387.8	2073.0	2232.3	2136.0
52.5°	877.2	1346.8	2016.7	1983.4	1833.8
55°	784.5	1298.7	1887.1	1654.6	1470.8
57.5°	700.0	1232.1	1687.4	1301.3	1100.5
60°	610.4	1142.0	1429.3	952.0	793.8
62.5°	528.0	1029.8	1139.9	662.7	570.5
65°	450.1	899.8	863.9	480.4	413.3
67.5°	367.7	765.1	637.6	350.3	307.3
70°	303.2	640.1	474.7	272.4	247.3
72.5°	237.1	521.3	354.9	221.2	207.4
75°	181.3	421.0	277.6	190.0	180.3
77.5°	133.7	332.9	223.3	168.0	158.8
80°	93.7	262.2	186.9	150.0	146.5
82.5°	63.0	202.8	159.3	142.9	143.4
85°	38.4	150.0	141.3	138.3	139.8
87.5°	18.4	106.5	121.4	126.0	127.5
90°	0.5	54.3	93.2	106.5	109.1
92.5°	0.0	41.5	81.9	95.3	97.8
95°	1.0	31.8	74.3	87.1	89.6
97.5°	1.0	26.1	66.6	79.9	81.4
100°	1.5	22.5	59.4	72.2	73.7
102.5°	1.5	20.0	53.3	64.5	65.5
105°	2.0	17.9	48.1	57.9	58.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	12.3	33.8	41.0	42.0
115°	3.1	10.2	29.7	36.4	37.4
117.5°	3.6	9.2	26.1	32.3	32.8
120°	3.6	7.7	22.5	28.7	29.2
122.5°	3.6	6.1	20.0	25.6	26.1
125°	3.6	5.1	17.4	22.5	23.0
127.5°	3.1	3.6	14.9	20.0	20.5
130°	3.1	3.1	12.3	17.4	18.4
132.5°	3.1	3.1	10.2	15.4	16.4
135°	3.1	3.1	8.2	13.8	14.3
137.5°	3.1	3.1	6.7	11.8	12.8
140°	3.1	3.1	5.1	10.2	10.8
142.5°	3.6	3.1	4.6	8.7	9.2
145°	4.1	3.1	3.6	6.7	7.7
147.5°	4.1	3.6	3.6	5.6	6.1
150°	4.1	4.1	3.1	4.1	5.1
152.5°	4.1	4.1	3.1	3.1	4.1
155°	4.1	4.1	3.1	3.1	3.1
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°	2.6	15.9	43.0	51.7	52.7
110°	2.6	13.8	37.9	46.1	47.1



(END OF REPORT)