

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: P830915

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830915
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: OHBL-9HE-MFL-UNV-L930-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

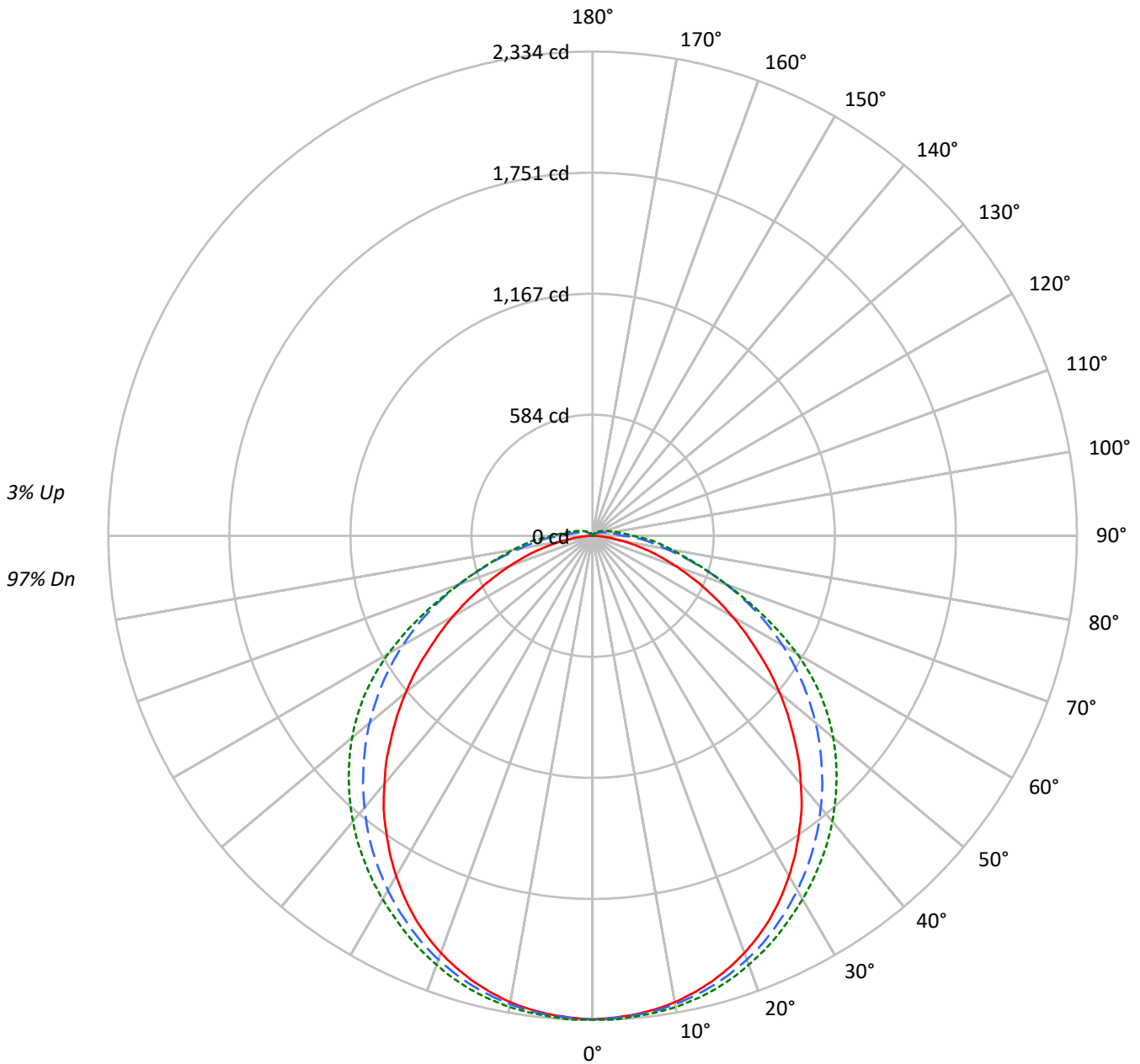
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6979.0 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
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_{in}): 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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	86	84	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	44	38	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3983	3983	3983
5°	3957	3943	3955
10°	3930	3907	3931
15°	3886	3864	3902
20°	3828	3811	3859
25°	3750	3745	3817
30°	3642	3675	3773
35°	3511	3600	3735
40°	3355	3513	3698
45°	3170	3419	3651
50°	2968	3324	3593
55°	2720	3208	3499
60°	2465	3070	3315
65°	2187	2896	3016
70°	1886	2674	2692
75°	1582	2417	2468
80°	1199	2227	2432
85°	758	2294	2682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	3.2
10°-20°	633.9	9.1
20°-30°	958.7	13.7
30°-40°	1150.9	16.5
40°-50°	1188.7	17.0
50°-60°	1069.4	15.3
60°-70°	805.6	11.5
70°-80°	486.4	7.0
80°-90°	237.9	3.4
90°-100°	100.1	1.4
100°-110°	57.2	0.8
110°-120°	33.5	0.5
120°-130°	19.0	0.3
130°-140°	10.0	0.1
140°-150°	4.9	0.1
150°-160°	1.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1813.5	26.0
0°-40°	2964.4	42.5
0°-60°	5222.5	74.8
0°-90°	6752.5	96.8
90°-120°	190.9	2.7
90°-150°	224.7	3.2
90°-180°	226.0	3.2
0°-180°	6979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2317	2323	2320	2330	2327	220
15°	2224	2234	2245	2263	2266	627
25°	2031	2053	2082	2114	2120	934
35°	1736	1777	1850	1906	1917	1085
45°	1370	1439	1560	1645	1662	1058
55°	971	1071	1234	1327	1343	870
65°	592	713	873	917	906	589
75°	279	401	506	519	514	298
85°	58	154	253	288	293	67
90°	0	60	145	183	190	4
95°	3	40	108	138	143	2
105°	4	23	63	82	86	4
115°	5	13	39	52	54	5
125°	5	6	23	34	35	4
135°	4	5	12	20	23	3
145°	6	5	6	10	12	3
155°	6	6	6	5	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°	2331.9	2331.9	2331.9	2331.9	2331.9
2.5°	2325.1	2330.8	2327.3	2334.8	2334.2
5°	2317.1	2323.3	2320.5	2329.6	2326.8
7.5°	2303.4	2310.2	2309.6	2319.9	2318.8
10°	2283.4	2290.8	2293.1	2306.8	2306.8
12.5°	2256.0	2265.7	2271.4	2288.0	2288.5
15°	2223.5	2234.3	2244.6	2263.4	2265.7
17.5°	2184.1	2197.8	2212.1	2233.7	2236.6
20°	2139.6	2155.0	2174.4	2197.2	2200.6
22.5°	2088.2	2106.5	2131.6	2158.4	2162.4
25°	2030.6	2052.8	2081.9	2114.5	2119.6
27.5°	1964.9	1990.6	2030.0	2066.5	2071.1
30°	1893.6	1923.9	1972.9	2016.3	2023.7
32.5°	1818.3	1853.1	1913.6	1962.1	1972.4
35°	1736.1	1776.6	1849.7	1905.6	1917.0
37.5°	1655.0	1699.6	1782.3	1846.2	1859.9
40°	1560.3	1615.7	1710.4	1781.2	1797.7
42.5°	1471.3	1531.2	1638.5	1715.5	1731.5
45°	1370.3	1439.3	1559.7	1644.8	1662.5
47.5°	1275.5	1350.3	1483.8	1571.7	1590.0
50°	1175.7	1257.8	1402.8	1494.7	1513.5
52.5°	1075.8	1164.2	1318.9	1414.2	1431.9
55°	970.8	1071.2	1233.9	1326.9	1342.9
57.5°	873.2	979.3	1146.5	1235.0	1244.7
60°	776.7	886.9	1057.5	1135.1	1138.6
62.5°	682.6	798.4	966.2	1027.8	1023.3
65°	592.4	713.4	873.2	916.6	906.3
67.5°	505.6	630.6	777.9	805.8	792.1
70°	423.5	550.2	685.4	699.7	687.1
72.5°	351.0	473.7	591.8	603.8	594.7
75°	279.1	400.6	505.6	518.8	513.6
77.5°	211.7	329.9	426.3	443.4	444.6
80°	152.4	265.4	357.3	384.1	387.5
82.5°	100.4	206.0	299.6	333.9	339.0
85°	58.2	153.5	253.4	288.2	293.3
87.5°	25.1	110.7	203.7	235.1	241.4
90°	0.0	59.9	145.0	182.6	190.0
92.5°	1.7	49.7	124.4	158.7	164.9
95°	2.9	40.5	108.4	138.1	143.2
97.5°	3.4	34.2	94.2	120.4	125.6
100°	3.4	29.7	81.6	105.6	110.1
102.5°	3.4	26.3	71.3	92.5	96.4
105°	4.0	23.4	62.8	82.2	85.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	15.4	43.4	58.2	60.5
115°	4.6	13.1	38.8	51.9	54.2
117.5°	5.1	11.4	34.2	46.8	48.5
120°	5.1	9.7	30.2	41.7	43.9
122.5°	5.1	8.0	26.8	37.7	39.4
125°	4.6	6.3	23.4	33.7	35.4
127.5°	4.0	5.1	20.0	30.2	32.0
130°	4.0	4.6	17.1	26.8	28.5
132.5°	4.0	5.1	14.3	23.4	25.7
135°	4.0	5.1	12.0	20.5	22.8
137.5°	4.0	5.1	9.7	17.7	20.0
140°	4.6	5.1	8.0	14.8	17.1
142.5°	5.1	5.1	6.3	12.6	14.3
145°	5.7	5.1	5.7	10.3	12.0
147.5°	5.7	5.7	5.7	8.0	9.7
150°	5.7	6.3	5.7	6.3	8.0
152.5°	5.7	6.3	5.7	5.1	6.3
155°	5.7	6.3	5.7	5.1	5.7
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°	4.0	20.5	55.4	73.1	75.9
110°	4.0	18.3	49.1	65.1	67.9



(END OF REPORT)