

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: P830916

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830916
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-L935-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

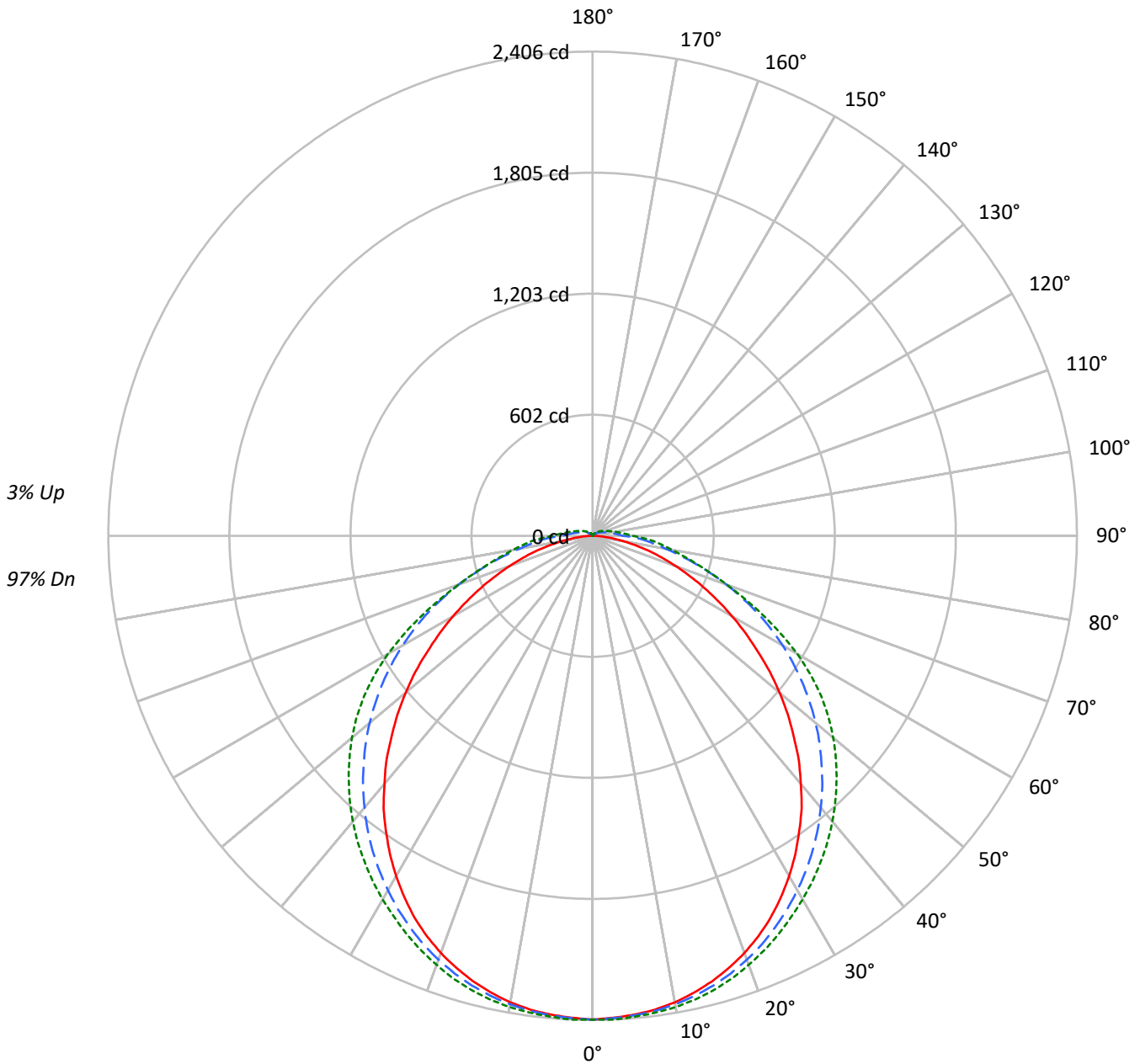
Lumens per Lamp: N/A
Luminaire Lumens: 7195.0 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	4106	4106	4106
5°	4080	4065	4077
10°	4051	4028	4053
15°	4006	3983	4022
20°	3946	3929	3979
25°	3866	3862	3935
30°	3755	3789	3890
35°	3620	3711	3851
40°	3459	3622	3812
45°	3268	3525	3763
50°	3060	3427	3705
55°	2804	3307	3607
60°	2541	3165	3418
65°	2255	2986	3109
70°	1945	2757	2775
75°	1630	2492	2544
80°	1236	2296	2507
85°	782	2365	2765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.2
10°-20°	653.5	9.1
20°-30°	988.3	13.7
30°-40°	1186.5	16.5
40°-50°	1225.5	17.0
50°-60°	1102.5	15.3
60°-70°	830.5	11.5
70°-80°	501.5	7.0
80°-90°	245.3	3.4
90°-100°	103.2	1.4
100°-110°	58.9	0.8
110°-120°	34.6	0.5
120°-130°	19.6	0.3
130°-140°	10.3	0.1
140°-150°	5.0	0.1
150°-160°	1.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1869.7	26.0
0°-40°	3056.2	42.5
0°-60°	5384.2	74.8
0°-90°	6961.5	96.8
90°-120°	196.8	2.7
90°-150°	231.6	3.2
90°-180°	234.0	3.3
0°-180°	7195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2404	2404	2404	2404	2404	
5°	2389	2395	2392	2402	2399	227
15°	2292	2304	2314	2334	2336	646
25°	2093	2116	2146	2180	2185	963
35°	1790	1832	1907	1965	1976	1119
45°	1413	1484	1608	1696	1714	1091
55°	1001	1104	1272	1368	1384	897
65°	611	736	900	945	934	607
75°	288	413	521	535	530	307
85°	60	158	261	297	302	69
90°	0	62	149	188	196	4
95°	3	42	112	142	148	2
105°	4	24	65	85	88	4
115°	5	14	40	54	56	5
125°	5	6	24	35	36	4
135°	4	5	12	21	24	3
145°	6	5	6	11	12	4
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°	2404.1	2404.1	2404.1	2404.1	2404.1
2.5°	2397.0	2402.9	2399.4	2407.0	2406.4
5°	2388.8	2395.3	2392.3	2401.7	2398.8
7.5°	2374.7	2381.7	2381.1	2391.7	2390.5
10°	2354.1	2361.7	2364.1	2378.2	2378.2
12.5°	2325.8	2335.8	2341.7	2358.8	2359.4
15°	2292.3	2303.5	2314.1	2333.5	2335.8
17.5°	2251.7	2265.8	2280.5	2302.9	2305.8
20°	2205.8	2221.7	2241.7	2265.2	2268.8
22.5°	2152.8	2171.7	2197.6	2225.2	2229.3
25°	2093.4	2116.4	2146.4	2179.9	2185.2
27.5°	2025.8	2052.2	2092.8	2130.5	2135.2
30°	1952.2	1983.4	2034.0	2078.7	2086.4
32.5°	1874.5	1910.4	1972.8	2022.8	2033.4
35°	1789.8	1831.6	1906.9	1964.6	1976.3
37.5°	1706.3	1752.2	1837.5	1903.4	1917.5
40°	1608.6	1665.7	1763.3	1836.3	1853.4
42.5°	1516.8	1578.6	1689.2	1768.6	1785.1
45°	1412.7	1483.9	1608.0	1695.7	1713.9
47.5°	1315.0	1392.1	1529.8	1620.4	1639.2
50°	1212.0	1296.8	1446.2	1540.9	1560.4
52.5°	1109.1	1200.3	1359.7	1458.0	1476.2
55°	1000.8	1104.4	1272.1	1368.0	1384.4
57.5°	900.2	1009.6	1182.0	1273.2	1283.2
60°	800.8	914.3	1090.2	1170.3	1173.8
62.5°	703.7	823.1	996.1	1059.7	1054.9
65°	610.7	735.5	900.2	944.9	934.3
67.5°	521.3	650.1	801.9	830.8	816.7
70°	436.6	567.2	706.6	721.3	708.4
72.5°	361.8	488.3	610.1	622.5	613.1
75°	287.7	413.0	521.3	534.8	529.5
77.5°	218.3	340.1	439.5	457.2	458.3
80°	157.1	273.6	368.3	396.0	399.5
82.5°	103.6	212.4	308.9	344.2	349.5
85°	60.0	158.3	261.2	297.1	302.4
87.5°	25.9	114.1	210.0	242.4	248.9
90°	0.0	61.8	149.4	188.3	195.9
92.5°	1.8	51.2	128.3	163.6	170.0
95°	2.9	41.8	111.8	142.4	147.7
97.5°	3.5	35.3	97.1	124.1	129.4
100°	3.5	30.6	84.1	108.8	113.6
102.5°	3.5	27.1	73.5	95.3	99.4
105°	4.1	24.1	64.7	84.7	88.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	15.9	44.7	60.0	62.4
115°	4.7	13.5	40.0	53.5	55.9
117.5°	5.3	11.8	35.3	48.2	50.0
120°	5.3	10.0	31.2	43.0	45.3
122.5°	5.3	8.2	27.7	38.8	40.6
125°	4.7	6.5	24.1	34.7	36.5
127.5°	4.1	5.3	20.6	31.2	32.9
130°	4.1	4.7	17.7	27.7	29.4
132.5°	4.1	5.3	14.7	24.1	26.5
135°	4.1	5.3	12.4	21.2	23.5
137.5°	4.1	5.3	10.0	18.2	20.6
140°	4.7	5.3	8.2	15.3	17.7
142.5°	5.3	5.3	6.5	12.9	14.7
145°	5.9	5.3	5.9	10.6	12.4
147.5°	5.9	5.9	5.9	8.2	10.0
150°	5.9	6.5	5.9	6.5	8.2
152.5°	5.9	6.5	5.9	5.3	6.5
155°	5.9	6.5	5.9	5.3	5.9
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°	4.1	21.2	57.1	75.3	78.3
110°	4.1	18.8	50.6	67.1	70.0



(END OF REPORT)