

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: P829619

Luminaire Tested: **OHB-9SE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829619
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-9SE-MFL-UNV-L930-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

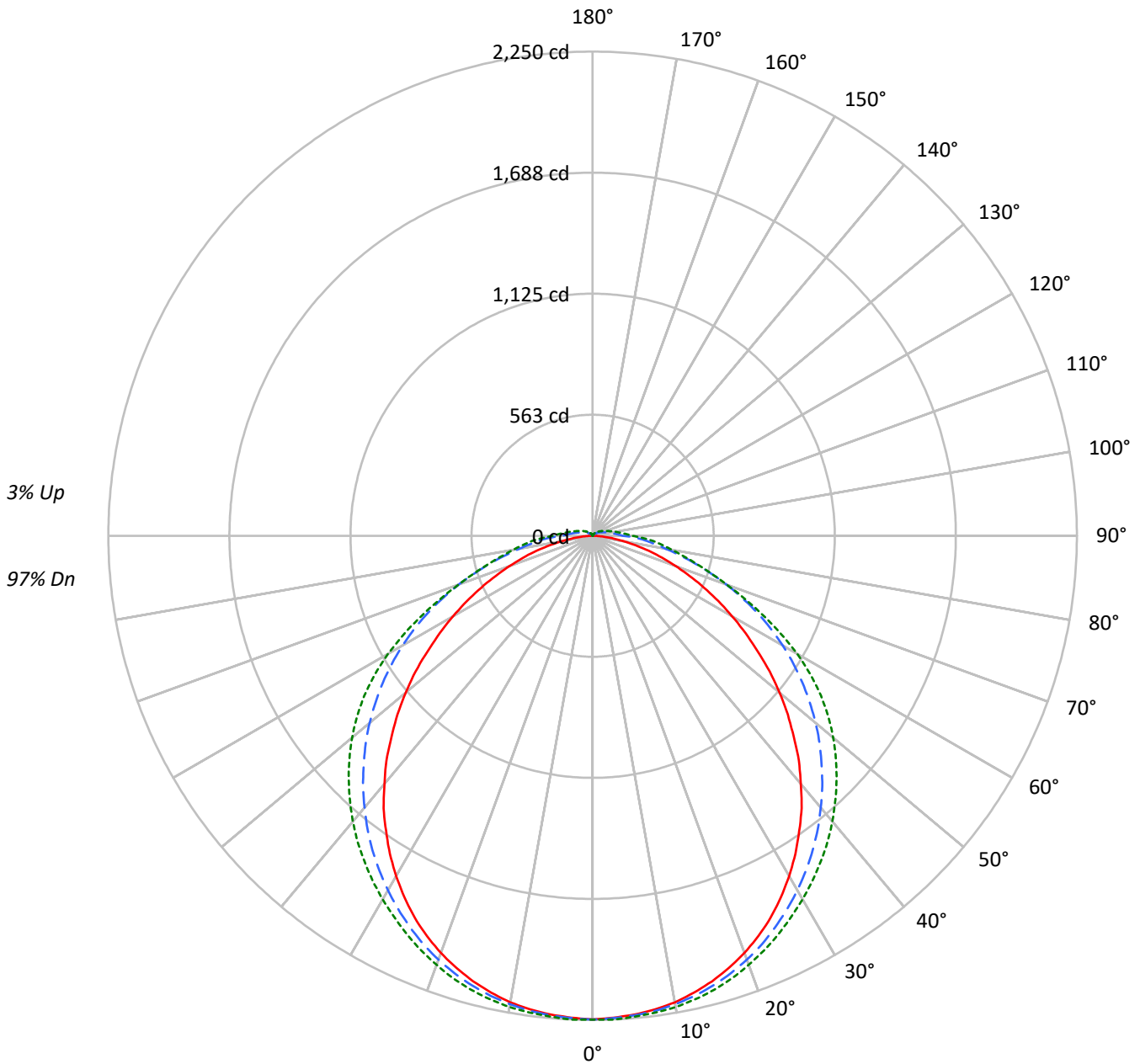
Lumens per Lamp: N/A
Luminaire Lumens: 6728.1 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54
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									
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°	14304	14304	14304
5°	14160	14048	14092
10°	14010	13806	13901
15°	13801	13544	13689
20°	13541	13250	13434
25°	13212	12913	13176
30°	12776	12556	12913
35°	12261	12181	12666
40°	11651	11764	12411
45°	10943	11316	12114
50°	10174	10855	11771
55°	9244	10313	11290
60°	8291	9690	10502
65°	7257	8928	9339
70°	6140	7995	8089
75°	5003	6926	7115
80°	3615	5982	6580
85°	2063	5510	6497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	3.2
10°-20°	611.1	9.1
20°-30°	924.2	13.7
30°-40°	1109.5	16.5
40°-50°	1145.9	17.0
50°-60°	1031.0	15.3
60°-70°	776.6	11.5
70°-80°	469.0	7.0
80°-90°	229.3	3.4
90°-100°	96.5	1.4
100°-110°	55.1	0.8
110°-120°	32.4	0.5
120°-130°	18.3	0.3
130°-140°	9.7	0.1
140°-150°	4.7	0.1
150°-160°	1.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1748.3	26.0
0°-40°	2857.8	42.5
0°-60°	5034.7	74.8
0°-90°	6509.7	96.8
90°-120°	184.0	2.7
90°-150°	216.7	3.2
90°-180°	218.0	3.2
0°-180°	6728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2248	2248	2248	2248	2248	
5°	2234	2240	2237	2246	2243	212
15°	2144	2154	2164	2182	2184	604
25°	1958	1979	2007	2038	2043	900
35°	1674	1713	1783	1837	1848	1046
45°	1321	1388	1504	1586	1603	1020
55°	936	1033	1190	1279	1295	839
65°	571	688	842	884	874	567
75°	269	386	488	500	495	287
85°	56	148	244	278	283	65
90°	0	58	140	176	183	4
95°	3	39	104	133	138	2
105°	4	23	60	79	82	4
115°	4	13	37	50	52	5
125°	4	6	23	32	34	4
135°	4	5	12	20	22	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°	2248.0	2248.0	2248.0	2248.0	2248.0
2.5°	2241.4	2246.9	2243.6	2250.8	2250.2
5°	2233.7	2239.8	2237.0	2245.8	2243.1
7.5°	2220.5	2227.1	2226.6	2236.5	2235.4
10°	2201.3	2208.4	2210.6	2223.8	2223.8
12.5°	2174.9	2184.2	2189.7	2205.7	2206.2
15°	2143.5	2154.0	2163.9	2182.0	2184.2
17.5°	2105.5	2118.7	2132.5	2153.4	2156.2
20°	2062.6	2077.5	2096.2	2118.2	2121.5
22.5°	2013.1	2030.7	2054.9	2080.8	2084.6
25°	1957.5	1979.0	2007.1	2038.4	2043.4
27.5°	1894.3	1919.0	1957.0	1992.2	1996.6
30°	1825.5	1854.7	1902.0	1943.8	1950.9
32.5°	1752.9	1786.4	1844.8	1891.5	1901.4
35°	1673.7	1712.7	1783.1	1837.1	1848.1
37.5°	1595.5	1638.4	1718.2	1779.8	1793.0
40°	1504.2	1557.6	1648.9	1717.1	1733.1
42.5°	1418.4	1476.1	1579.6	1653.8	1669.2
45°	1321.0	1387.6	1503.6	1585.6	1602.7
47.5°	1229.7	1301.7	1430.5	1515.2	1532.8
50°	1133.4	1212.6	1352.3	1440.9	1459.1
52.5°	1037.1	1122.4	1271.5	1363.3	1380.4
55°	935.9	1032.7	1189.5	1279.2	1294.6
57.5°	841.8	944.1	1105.3	1190.6	1199.9
60°	748.8	855.0	1019.5	1094.3	1097.6
62.5°	658.0	769.7	931.5	990.9	986.5
65°	571.1	687.7	841.8	883.6	873.7
67.5°	487.5	607.9	749.9	776.9	763.7
70°	408.2	530.4	660.8	674.5	662.4
72.5°	338.4	456.7	570.5	582.1	573.3
75°	269.0	386.2	487.5	500.1	495.2
77.5°	204.1	318.0	411.0	427.5	428.6
80°	146.9	255.8	344.4	370.3	373.6
82.5°	96.8	198.6	288.8	321.9	326.8
85°	56.1	148.0	244.3	277.8	282.8
87.5°	24.2	106.7	196.4	226.7	232.7
90°	0.0	57.8	139.7	176.1	183.2
92.5°	1.7	47.9	119.9	153.0	159.0
95°	2.8	39.1	104.5	133.1	138.1
97.5°	3.3	33.0	90.8	116.1	121.0
100°	3.3	28.6	78.7	101.8	106.2
102.5°	3.3	25.3	68.8	89.1	93.0
105°	3.9	22.6	60.5	79.2	82.5



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CATALOG NUMBER: OHB-9SE-MFL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	14.9	41.8	56.1	58.3
115°	4.4	12.7	37.4	50.1	52.3
117.5°	5.0	11.0	33.0	45.1	46.8
120°	5.0	9.4	29.2	40.2	42.4
122.5°	5.0	7.7	25.9	36.3	38.0
125°	4.4	6.1	22.6	32.5	34.1
127.5°	3.9	5.0	19.3	29.2	30.8
130°	3.9	4.4	16.5	25.9	27.5
132.5°	3.9	5.0	13.8	22.6	24.8
135°	3.9	5.0	11.6	19.8	22.0
137.5°	3.9	5.0	9.4	17.1	19.3
140°	4.4	5.0	7.7	14.3	16.5
142.5°	5.0	5.0	6.1	12.1	13.8
145°	5.5	5.0	5.5	9.9	11.6
147.5°	5.5	5.5	5.5	7.7	9.4
150°	5.5	6.1	5.5	6.1	7.7
152.5°	5.5	6.1	5.5	5.0	6.1
155°	5.5	6.1	5.5	5.0	5.5
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°	3.9	19.8	53.4	70.4	73.2
110°	3.9	17.6	47.3	62.7	65.5



(END OF REPORT)