

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: P829613

Luminaire Tested: **OHB-9SE-MFL-UNV-L740-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829613
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-L740-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

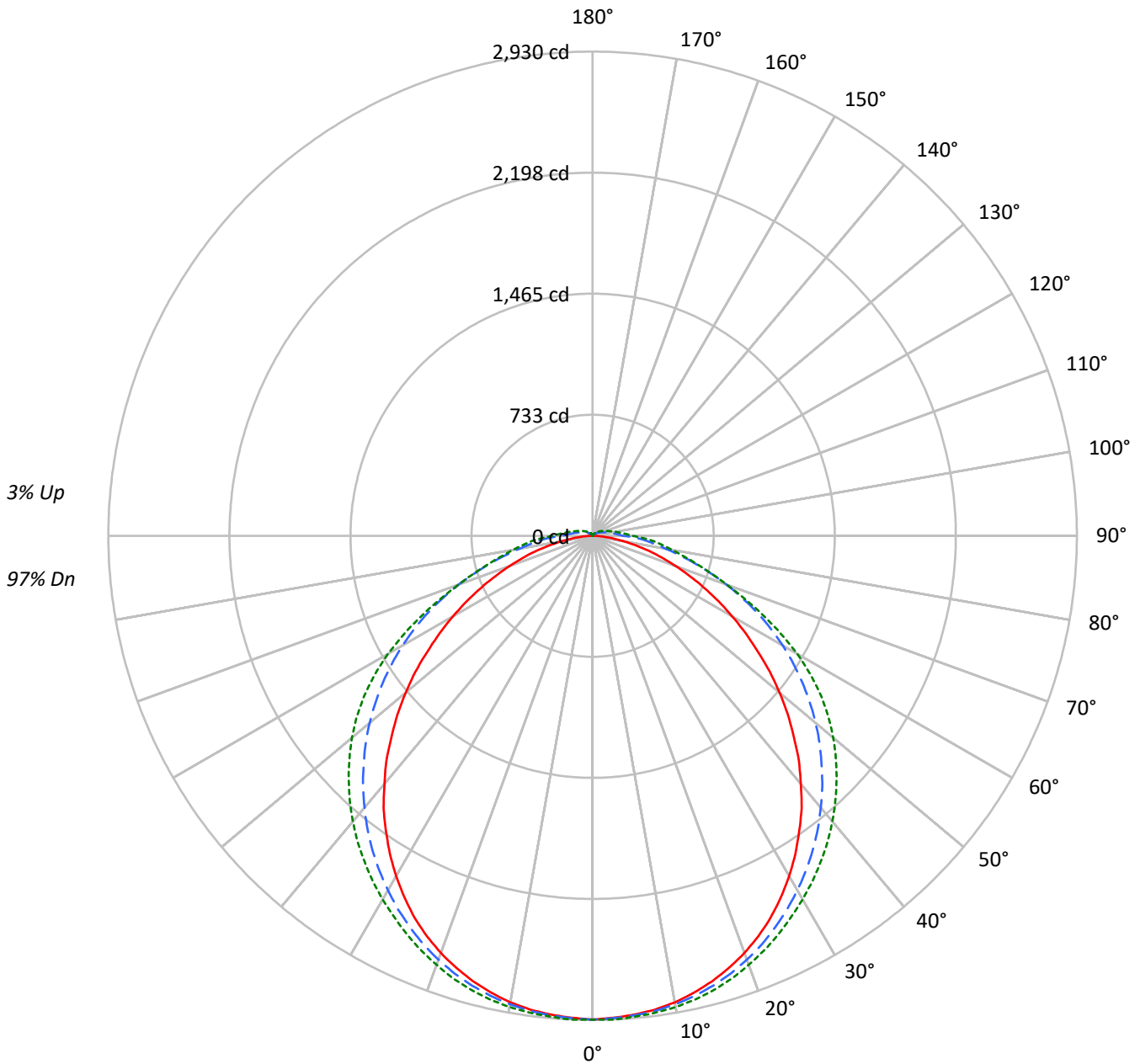
Lumens per Lamp: N/A
Luminaire Lumens: 8762.0 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

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					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	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	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	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	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	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	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	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	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	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	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	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	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18629	18629	18629
5°	18441	18295	18352
10°	18245	17980	18104
15°	17973	17638	17828
20°	17636	17256	17495
25°	17206	16816	17158
30°	16639	16352	16817
35°	15966	15864	16495
40°	15173	15321	16163
45°	14251	14737	15776
50°	13249	14137	15329
55°	12038	13431	14702
60°	10798	12619	13677
65°	9450	11627	12162
70°	7997	10411	10535
75°	6517	9019	9266
80°	4708	7790	8569
85°	2688	7175	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.4	3.2
10°-20°	795.9	9.1
20°-30°	1203.6	13.7
30°-40°	1444.9	16.5
40°-50°	1492.4	17.0
50°-60°	1342.7	15.3
60°-70°	1011.4	11.5
70°-80°	610.7	7.0
80°-90°	298.7	3.4
90°-100°	125.7	1.4
100°-110°	71.8	0.8
110°-120°	42.1	0.5
120°-130°	23.8	0.3
130°-140°	12.5	0.1
140°-150°	6.1	0.1
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2276.8	26.0
0°-40°	3721.8	42.5
0°-60°	6556.8	74.8
0°-90°	8477.6	96.8
90°-120°	239.6	2.7
90°-150°	282.1	3.2
90°-180°	284.0	3.2
0°-180°	8762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2909	2917	2913	2925	2921	276
15°	2792	2805	2818	2842	2844	787
25°	2549	2577	2614	2655	2661	1173
35°	2180	2230	2322	2392	2407	1363
45°	1720	1807	1958	2065	2087	1328
55°	1219	1345	1549	1666	1686	1093
65°	744	896	1096	1151	1138	739
75°	350	503	635	651	645	374
85°	73	193	318	362	368	84
90°	0	75	182	229	239	5
95°	4	51	136	173	180	3
105°	5	29	79	103	108	5
115°	6	16	49	65	68	6
125°	6	8	29	42	44	5
135°	5	6	15	26	29	4
145°	7	6	7	13	15	4
155°	7	8	7	6	7	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°	2927.7	2927.7	2927.7	2927.7	2927.7
2.5°	2919.1	2926.2	2921.9	2931.2	2930.5
5°	2909.0	2916.9	2913.3	2924.8	2921.2
7.5°	2891.8	2900.4	2899.7	2912.6	2911.2
10°	2866.8	2876.1	2878.9	2896.1	2896.1
12.5°	2832.4	2844.5	2851.7	2872.5	2873.2
15°	2791.5	2805.1	2818.0	2841.7	2844.5
17.5°	2742.1	2759.3	2777.2	2804.4	2808.0
20°	2686.2	2705.5	2729.9	2758.6	2762.9
22.5°	2621.7	2644.6	2676.2	2709.8	2714.9
25°	2549.3	2577.3	2613.8	2654.7	2661.1
27.5°	2466.9	2499.2	2548.6	2594.5	2600.2
30°	2377.4	2415.4	2477.0	2531.4	2540.7
32.5°	2282.8	2326.5	2402.5	2463.4	2476.3
35°	2179.6	2230.5	2322.2	2392.4	2406.8
37.5°	2077.9	2133.8	2237.7	2317.9	2335.1
40°	1958.9	2028.4	2147.4	2236.2	2257.0
42.5°	1847.2	1922.4	2057.1	2153.8	2173.9
45°	1720.3	1807.0	1958.2	2065.0	2087.2
47.5°	1601.4	1695.3	1862.9	1973.3	1996.2
50°	1476.0	1579.2	1761.2	1876.5	1900.2
52.5°	1350.6	1461.7	1655.9	1775.5	1797.7
55°	1218.8	1344.9	1549.1	1665.9	1685.9
57.5°	1096.3	1229.5	1439.5	1550.5	1562.7
60°	975.2	1113.5	1327.7	1425.1	1429.4
62.5°	856.9	1002.4	1213.1	1290.4	1284.7
65°	743.7	895.6	1096.3	1150.7	1137.8
67.5°	634.8	791.7	976.6	1011.7	994.5
70°	531.7	690.7	860.5	878.4	862.7
72.5°	440.7	594.7	743.0	758.1	746.6
75°	350.4	503.0	634.8	651.3	644.9
77.5°	265.8	414.1	535.2	556.7	558.2
80°	191.3	333.2	448.5	482.2	486.5
82.5°	126.1	258.7	376.2	419.2	425.6
85°	73.1	192.7	318.1	361.8	368.3
87.5°	31.5	139.0	255.8	295.2	303.1
90°	0.0	75.2	182.0	229.3	238.6
92.5°	2.1	62.3	156.2	199.2	207.1
95°	3.6	50.9	136.1	173.4	179.8
97.5°	4.3	43.0	118.2	151.2	157.6
100°	4.3	37.3	102.5	132.6	138.3
102.5°	4.3	33.0	89.6	116.1	121.1
105°	5.0	29.4	78.8	103.2	107.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	19.3	54.5	73.1	76.0
115°	5.7	16.5	48.7	65.2	68.1
117.5°	6.4	14.3	43.0	58.8	60.9
120°	6.4	12.2	38.0	52.3	55.2
122.5°	6.4	10.0	33.7	47.3	49.4
125°	5.7	7.9	29.4	42.3	44.4
127.5°	5.0	6.4	25.1	38.0	40.1
130°	5.0	5.7	21.5	33.7	35.8
132.5°	5.0	6.4	17.9	29.4	32.2
135°	5.0	6.4	15.0	25.8	28.7
137.5°	5.0	6.4	12.2	22.2	25.1
140°	5.7	6.4	10.0	18.6	21.5
142.5°	6.4	6.4	7.9	15.8	17.9
145°	7.2	6.4	7.2	12.9	15.0
147.5°	7.2	7.2	7.2	10.0	12.2
150°	7.2	7.9	7.2	7.9	10.0
152.5°	7.2	7.9	7.2	6.4	7.9
155°	7.2	7.9	7.2	6.4	7.2
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°	5.0	25.8	69.5	91.7	95.3
110°	5.0	22.9	61.6	81.7	85.3



(END OF REPORT)