

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: P709889

Luminaire Tested: **8AWWS-L3C3-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWWS-L3C3-SQR-UNV-4000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

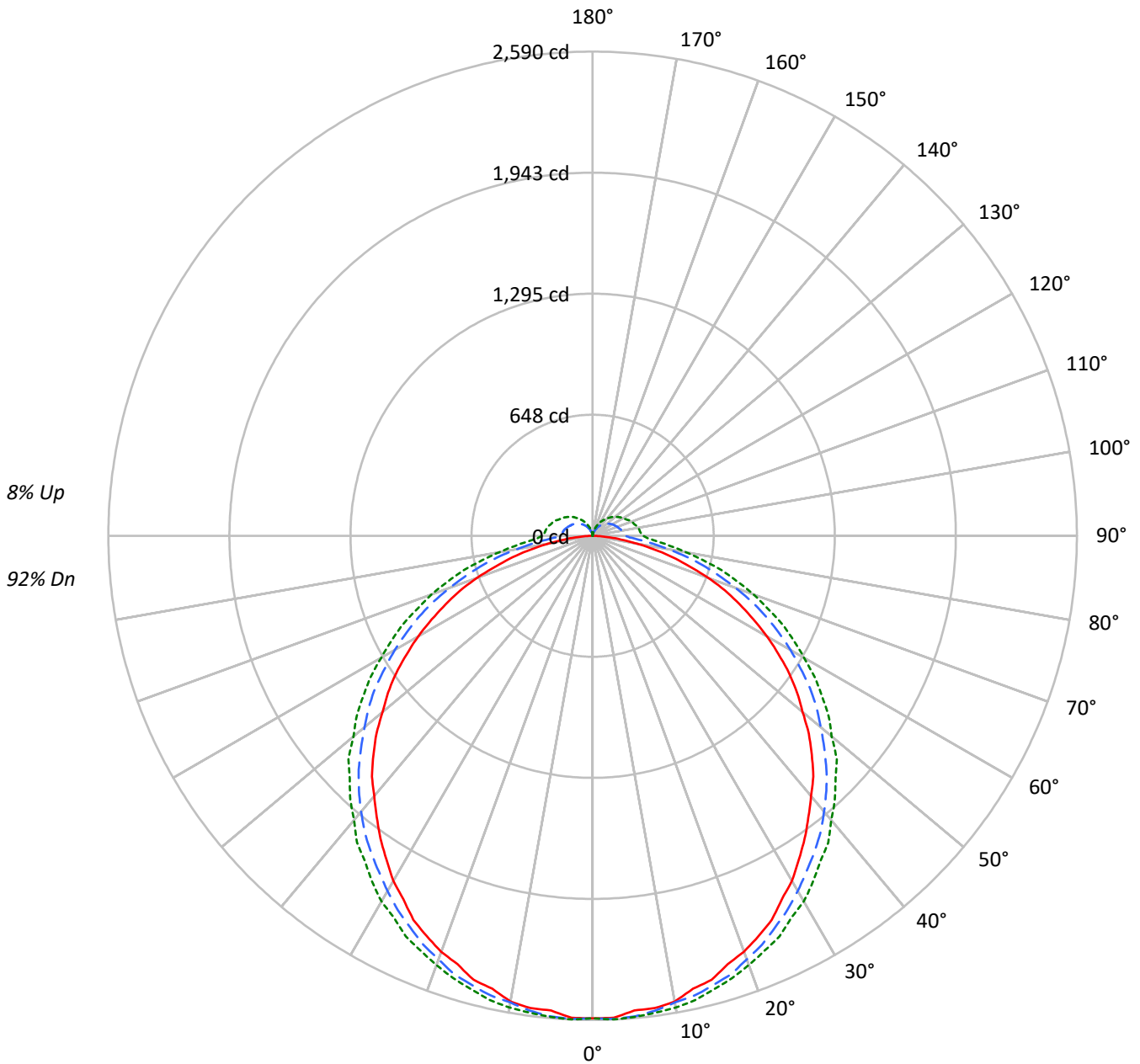
Lumens per Lamp: N/A
Luminaire Lumens: 8459.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 55
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

TEST NUMBER: P709889

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709889

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-4000K-LOW

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92																			
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	76																			
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	62																			
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	52																			
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	44																			
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	38																			
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29																			
8	58	45	36	30	56	44	36	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	23																			
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4512	4512	4512
5°	4463	4466	4454
10°	4472	4375	4389
15°	4423	4318	4307
20°	4367	4236	4229
25°	4326	4145	4163
30°	4246	4051	4077
35°	4152	3963	3963
40°	4069	3871	3865
45°	4006	3765	3768
50°	3879	3633	3647
55°	3788	3516	3531
60°	3624	3339	3369
65°	3417	3148	3215
70°	3151	2879	2994
75°	2747	2570	2737
80°	2100	2152	2358
85°	1292	1759	2081



TEST NUMBER: P709889

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	2.9
10°-20°	702.1	8.3
20°-30°	1067.2	12.6
30°-40°	1292.7	15.3
40°-50°	1359.2	16.1
50°-60°	1256.3	14.9
60°-70°	999.9	11.8
70°-80°	629.4	7.4
80°-90°	272.7	3.2
90°-100°	161.7	1.9
100°-110°	142.4	1.7
110°-120°	117.6	1.4
120°-130°	90.1	1.1
130°-140°	62.9	0.7
140°-150°	37.2	0.4
150°-160°	17.5	0.2
160°-170°	5.1	0.1
170°-180°	0.5	0.0
0°-30°	2013.9	23.8
0°-40°	3306.6	39.1
0°-60°	5922.1	70.0
0°-90°	7824.0	92.5
90°-120°	421.6	5.0
90°-150°	611.8	7.2
90°-180°	635.0	7.5
0°-180°	8459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2549	2570	2581	2579	2584	243
15°	2460	2457	2489	2506	2511	692
25°	2267	2278	2310	2354	2365	1041
35°	1977	2018	2067	2118	2124	1237
45°	1658	1706	1769	1820	1836	1277
55°	1284	1346	1419	1482	1498	1143
65°	867	940	1024	1092	1119	858
75°	442	523	609	680	715	466
85°	81	154	249	320	347	99
90°	3	79	173	241	268	4
95°	0	70	162	230	255	0
105°	0	65	149	209	233	0
115°	0	57	130	184	203	0
125°	3	46	111	157	173	1
135°	3	38	89	125	141	2
145°	0	24	65	92	103	1
155°	3	14	41	60	68	1
165°	3	5	16	27	32	1
175°	3	3	3	5	5	0
180°	0	0	0	0	0	



TEST NUMBER: P709889

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.3	2581.3	2581.3	2581.3	2581.3
2.5°	2581.3	2562.4	2586.8	2584.1	2589.5
5°	2548.8	2570.5	2581.3	2578.6	2584.1
7.5°	2548.8	2548.8	2562.4	2570.5	2573.2
10°	2529.9	2540.7	2535.3	2548.8	2562.4
12.5°	2481.1	2510.9	2519.0	2548.8	2543.4
15°	2459.5	2456.7	2489.2	2505.5	2510.9
17.5°	2402.6	2424.2	2459.5	2475.7	2481.1
20°	2367.4	2389.0	2410.7	2445.9	2443.2
22.5°	2318.6	2337.6	2367.4	2399.9	2402.6
25°	2267.1	2278.0	2310.5	2353.8	2364.7
27.5°	2191.3	2226.5	2256.3	2313.2	2302.4
30°	2131.7	2156.1	2194.0	2248.2	2259.0
32.5°	2053.2	2101.9	2129.0	2177.8	2194.0
35°	1977.3	2017.9	2066.7	2118.2	2123.6
37.5°	1896.1	1952.9	2001.7	2055.9	2069.4
40°	1817.5	1866.3	1925.9	1974.6	1985.4
42.5°	1747.1	1793.1	1850.0	1912.3	1917.7
45°	1657.7	1706.4	1768.7	1820.2	1836.5
47.5°	1568.3	1625.2	1679.4	1741.7	1771.5
50°	1465.4	1530.4	1592.7	1655.0	1668.5
52.5°	1378.7	1432.9	1508.7	1571.0	1592.7
55°	1283.9	1346.2	1419.3	1481.6	1497.9
57.5°	1178.3	1237.9	1316.4	1384.1	1408.5
60°	1078.0	1143.1	1221.6	1289.3	1305.6
62.5°	969.7	1042.8	1121.4	1191.8	1210.8
65°	866.8	939.9	1023.9	1091.6	1118.7
67.5°	766.5	837.0	920.9	988.7	1010.3
70°	655.5	725.9	812.6	888.4	915.5
72.5°	541.7	617.6	707.0	788.2	809.9
75°	441.5	522.8	609.4	679.9	715.1
77.5°	338.6	409.0	509.2	576.9	604.0
80°	235.7	316.9	409.0	484.8	506.5
82.5°	151.7	230.2	325.0	392.8	419.8
85°	81.3	154.4	249.2	319.6	346.7
87.5°	27.1	102.9	197.7	265.4	295.2
90°	2.7	78.6	173.4	241.1	268.2
92.5°	0.0	73.1	165.2	230.2	260.0
95°	0.0	70.4	162.5	230.2	254.6
97.5°	0.0	70.4	159.8	227.5	251.9
100°	0.0	67.7	157.1	219.4	246.5
102.5°	0.0	65.0	154.4	216.7	241.1
105°	0.0	65.0	149.0	208.6	232.9



TEST NUMBER: P709889

CATALOG NUMBER: 8AWWS-L3C3-SQR-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.9	135.4	192.3	214.0
115°	0.0	56.9	130.0	184.2	203.1
117.5°	0.0	54.2	127.3	178.8	195.0
120°	0.0	51.5	121.9	170.6	189.6
122.5°	0.0	48.8	116.5	162.5	181.5
125°	2.7	46.0	111.1	157.1	173.4
127.5°	2.7	43.3	105.6	149.0	165.2
130°	2.7	43.3	100.2	140.8	157.1
132.5°	2.7	40.6	94.8	132.7	149.0
135°	2.7	37.9	89.4	124.6	140.8
137.5°	2.7	35.2	84.0	119.2	130.0
140°	0.0	32.5	78.6	108.3	121.9
142.5°	2.7	27.1	70.4	102.9	111.1
145°	0.0	24.4	65.0	92.1	102.9
147.5°	2.7	21.7	59.6	84.0	94.8
150°	2.7	19.0	54.2	75.8	86.7
152.5°	2.7	16.3	46.0	67.7	75.8
155°	2.7	13.5	40.6	59.6	67.7
157.5°	2.7	10.8	32.5	51.5	56.9
160°	2.7	10.8	27.1	43.3	48.8
162.5°	2.7	8.1	21.7	35.2	40.6
165°	2.7	5.4	16.3	27.1	32.5
167.5°	2.7	5.4	10.8	21.7	24.4
170°	2.7	5.4	8.1	13.5	16.3
172.5°	2.7	2.7	5.4	8.1	10.8
175°	2.7	2.7	2.7	5.4	5.4
177.5°	2.7	2.7	2.7	2.7	2.7
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	62.3	143.6	200.4	227.5
110°	0.0	59.6	140.8	195.0	219.4



(END OF REPORT)