

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: P709778

Luminaire Tested: **8AWS-L3C3-SQR-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWS-L3C3-SQR-UNV-3500K-LOW
Description: 8foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

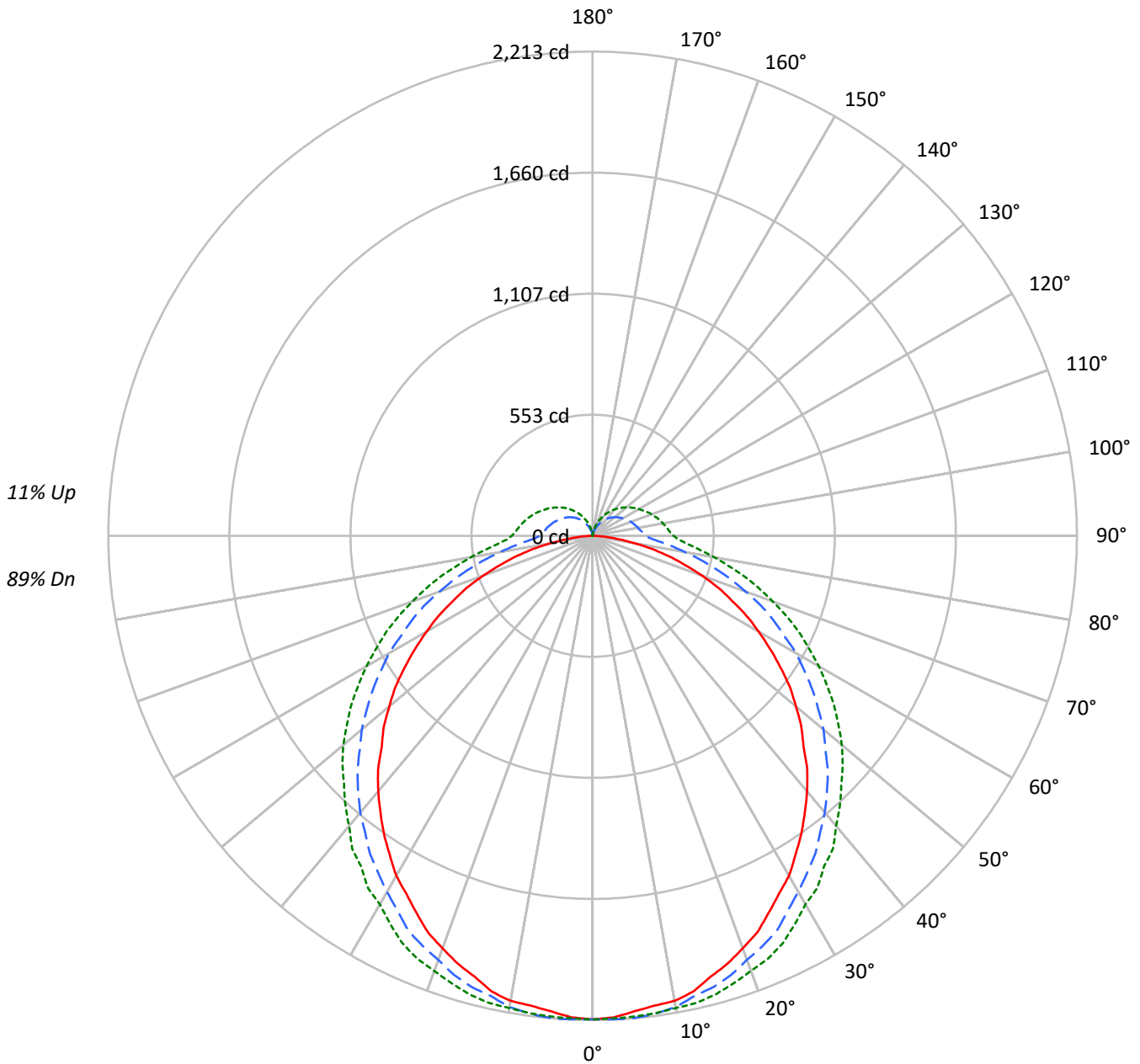
Lumens per Lamp: N/A
Luminaire Lumens: 7714.0 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

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

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72																			
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59																			
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49																			
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42																			
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36																			
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31																			
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27																			
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24																			
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22																			
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6971	6971	6971
5°	6898	6887	6827
10°	6893	6769	6709
15°	6781	6623	6623
20°	6693	6461	6487
25°	6571	6351	6376
30°	6475	6148	6155
35°	6331	6004	6002
40°	6192	5838	5847
45°	5979	5668	5683
50°	5834	5475	5565
55°	5630	5268	5392
60°	5376	5055	5184
65°	5065	4789	4979
70°	4687	4450	4693
75°	4130	4084	4438
80°	3204	3678	4130
85°	1936	3412	3970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	2.7
10°-20°	601.4	7.8
20°-30°	912.0	11.8
30°-40°	1103.9	14.3
40°-50°	1162.1	15.1
50°-60°	1082.5	14.0
60°-70°	883.0	11.4
70°-80°	595.3	7.7
80°-90°	319.9	4.1
90°-100°	221.8	2.9
100°-110°	189.8	2.5
110°-120°	154.8	2.0
120°-130°	117.7	1.5
130°-140°	81.5	1.1
140°-150°	48.6	0.6
150°-160°	22.6	0.3
160°-170°	6.7	0.1
170°-180°	0.7	0.0
0°-30°	1723.1	22.3
0°-40°	2827.0	36.6
0°-60°	5071.6	65.7
0°-90°	6869.8	89.1
90°-120°	566.4	7.3
90°-150°	814.2	10.6
90°-180°	844.0	10.9
0°-180°	7714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2182	2206	2213	2213	2206	208
15°	2086	2109	2135	2154	2170	590
25°	1903	1940	1992	2011	2055	878
35°	1663	1703	1774	1825	1844	1040
45°	1362	1428	1520	1586	1607	1057
55°	1048	1123	1226	1304	1346	937
65°	702	789	911	1001	1041	698
75°	359	453	580	674	719	380
85°	63	174	305	402	437	79
90°	2	110	240	334	369	4
95°	0	101	226	312	345	0
105°	0	89	197	277	308	0
115°	2	78	172	240	265	2
125°	2	63	146	202	223	2
135°	2	49	117	162	181	2
145°	5	33	85	120	134	2
155°	5	19	49	78	85	2
165°	5	9	21	33	40	1
175°	5	5	5	5	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2210.4	2210.4	2210.4	2210.4	2210.4
2.5°	2203.3	2205.7	2212.7	2219.8	2208.0
5°	2182.2	2205.7	2212.7	2212.7	2205.7
7.5°	2165.8	2186.9	2203.3	2198.6	2201.0
10°	2158.7	2170.5	2186.9	2198.6	2191.6
12.5°	2132.9	2139.9	2154.0	2172.8	2186.9
15°	2085.9	2109.4	2135.2	2154.0	2170.5
17.5°	2050.7	2071.8	2104.7	2121.1	2144.6
20°	2006.0	2029.5	2062.4	2097.6	2116.4
22.5°	1963.7	1984.9	2029.5	2053.0	2092.9
25°	1902.7	1940.3	1991.9	2010.7	2055.4
27.5°	1843.9	1886.2	1930.9	1982.5	2001.3
30°	1794.6	1825.2	1879.2	1923.8	1944.9
32.5°	1726.5	1768.8	1825.2	1879.2	1909.7
35°	1663.1	1703.0	1773.5	1825.2	1843.9
37.5°	1592.6	1637.2	1707.7	1768.8	1804.0
40°	1524.5	1573.8	1651.3	1710.1	1731.2
42.5°	1451.7	1503.3	1585.6	1653.7	1672.5
45°	1362.4	1428.2	1519.8	1585.6	1606.7
47.5°	1294.3	1355.4	1442.3	1519.8	1550.3
50°	1212.1	1280.2	1376.5	1447.0	1486.9
52.5°	1136.9	1200.3	1299.0	1367.1	1414.1
55°	1047.6	1122.8	1226.2	1303.7	1346.0
57.5°	960.7	1038.2	1146.3	1226.2	1268.4
60°	876.2	956.0	1073.5	1153.3	1193.3
62.5°	794.0	878.5	984.2	1080.5	1113.4
65°	702.3	789.3	911.4	1000.7	1040.6
67.5°	622.5	700.0	831.5	913.8	958.4
70°	530.9	622.5	742.3	836.2	873.8
72.5°	441.6	537.9	662.4	758.7	796.3
75°	359.4	453.4	580.2	674.2	718.8
77.5°	277.2	373.5	502.7	599.0	636.6
80°	192.6	298.3	427.5	523.8	563.8
82.5°	122.1	230.2	364.1	455.7	493.3
85°	63.4	173.8	305.4	401.7	436.9
87.5°	21.1	131.5	263.1	357.0	392.3
90°	2.3	110.4	239.6	333.6	368.8
92.5°	0.0	105.7	232.5	321.8	354.7
95°	0.0	101.0	225.5	312.4	345.3
97.5°	0.0	98.7	216.1	303.0	335.9
100°	0.0	94.0	211.4	296.0	326.5
102.5°	0.0	91.6	204.4	286.6	317.1
105°	0.0	89.3	197.3	277.2	307.7



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CATALOG NUMBER: 8AWS-L3C3-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	79.9	178.5	251.3	277.2
115°	2.3	77.5	171.5	239.6	265.4
117.5°	2.3	72.8	166.8	230.2	253.7
120°	2.3	70.5	159.7	223.2	244.3
122.5°	2.3	68.1	152.7	211.4	234.9
125°	2.3	63.4	145.6	202.0	223.2
127.5°	2.3	58.7	138.6	192.6	211.4
130°	2.3	56.4	131.5	180.9	202.0
132.5°	2.3	51.7	124.5	173.8	190.3
135°	2.3	49.3	117.4	162.1	180.9
137.5°	2.3	44.6	110.4	152.7	169.1
140°	2.3	39.9	101.0	143.3	157.4
142.5°	2.3	37.6	94.0	131.5	145.6
145°	4.7	32.9	84.6	119.8	133.9
147.5°	4.7	30.5	75.2	110.4	122.1
150°	4.7	25.8	65.8	98.7	110.4
152.5°	4.7	23.5	58.7	86.9	98.7
155°	4.7	18.8	49.3	77.5	84.6
157.5°	4.7	16.4	42.3	65.8	75.2
160°	4.7	14.1	35.2	56.4	63.4
162.5°	4.7	11.7	28.2	44.6	51.7
165°	4.7	9.4	21.1	32.9	39.9
167.5°	4.7	7.0	16.4	23.5	30.5
170°	4.7	7.0	11.7	16.4	23.5
172.5°	4.7	4.7	7.0	9.4	14.1
175°	4.7	4.7	4.7	4.7	4.7
177.5°	4.7	4.7	2.3	2.3	0.0
180°	2.3	2.3	2.3	2.3	2.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	84.6	192.6	267.8	296.0
110°	2.3	82.2	185.6	258.4	286.6



(END OF REPORT)