

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: P709784

Luminaire Tested: **8AWS-L3C3-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709784
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-5000K-LOW
Description: 8foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

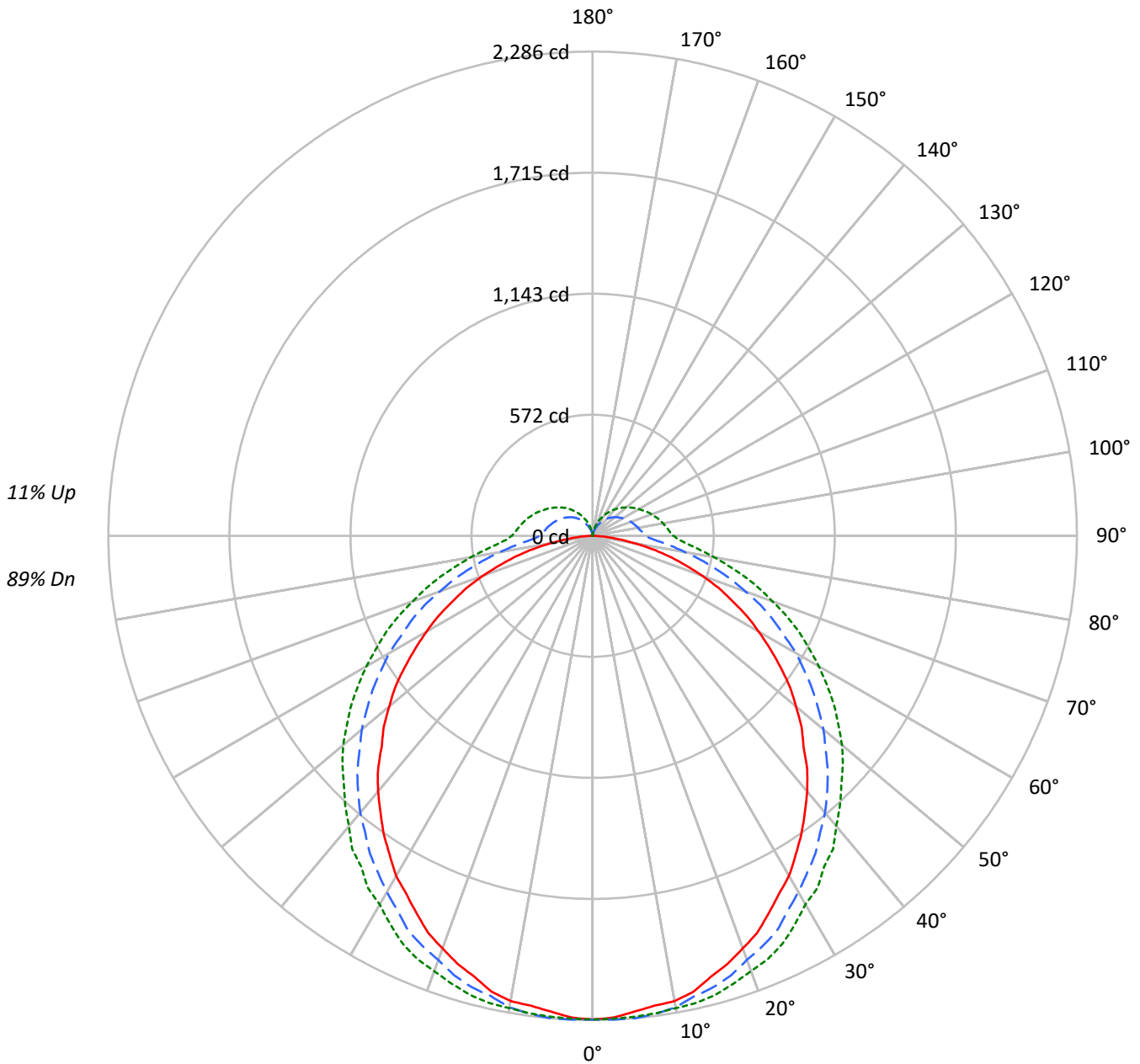
Lumens per Lamp: N/A
Luminaire Lumens: 7971.0 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 56
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°	7203	7203	7203
5°	7128	7116	7054
10°	7123	6995	6933
15°	7007	6844	6844
20°	6916	6676	6703
25°	6790	6563	6589
30°	6690	6353	6360
35°	6542	6204	6203
40°	6398	6033	6042
45°	6179	5857	5872
50°	6029	5658	5750
55°	5817	5443	5571
60°	5555	5224	5357
65°	5234	4949	5145
70°	4843	4598	4849
75°	4268	4220	4585
80°	3310	3801	4267
85°	2000	3524	4103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	2.7
10°-20°	621.4	7.8
20°-30°	942.4	11.8
30°-40°	1140.7	14.3
40°-50°	1200.8	15.1
50°-60°	1118.5	14.0
60°-70°	912.4	11.4
70°-80°	615.1	7.7
80°-90°	330.6	4.1
90°-100°	229.1	2.9
100°-110°	196.1	2.5
110°-120°	160.0	2.0
120°-130°	121.6	1.5
130°-140°	84.2	1.1
140°-150°	50.2	0.6
150°-160°	23.4	0.3
160°-170°	6.9	0.1
170°-180°	0.7	0.0
0°-30°	1780.5	22.3
0°-40°	2921.2	36.6
0°-60°	5240.5	65.7
0°-90°	7098.6	89.1
90°-120°	585.3	7.3
90°-150°	841.4	10.6
90°-180°	872.0	10.9
0°-180°	7971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2255	2279	2286	2286	2279	214
15°	2155	2180	2206	2226	2243	609
25°	1966	2005	2058	2078	2124	907
35°	1718	1760	1833	1886	1905	1074
45°	1408	1476	1570	1638	1660	1092
55°	1082	1160	1267	1347	1391	968
65°	726	816	942	1034	1075	721
75°	371	468	600	697	743	392
85°	66	180	316	415	452	82
90°	2	114	248	345	381	4
95°	0	104	233	323	357	0
105°	0	92	204	286	318	0
115°	2	80	177	248	274	2
125°	2	66	150	209	231	2
135°	2	51	121	168	187	2
145°	5	34	87	124	138	2
155°	5	19	51	80	87	2
165°	5	10	22	34	41	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°	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2276.7	2279.2	2286.5	2293.7	2281.6
5°	2254.9	2279.2	2286.5	2286.5	2279.2
7.5°	2237.9	2259.8	2276.7	2271.9	2274.3
10°	2230.6	2242.8	2259.8	2271.9	2264.6
12.5°	2203.9	2211.2	2225.8	2245.2	2259.8
15°	2155.4	2179.7	2206.4	2225.8	2242.8
17.5°	2119.0	2140.8	2174.8	2191.8	2216.1
20°	2072.9	2097.1	2131.1	2167.5	2186.9
22.5°	2029.2	2051.0	2097.1	2121.4	2162.7
25°	1966.1	2004.9	2058.3	2077.7	2123.8
27.5°	1905.4	1949.1	1995.2	2048.6	2068.0
30°	1854.4	1886.0	1941.8	1987.9	2009.7
32.5°	1784.0	1827.7	1886.0	1941.8	1973.3
35°	1718.5	1759.7	1832.6	1886.0	1905.4
37.5°	1645.7	1691.8	1764.6	1827.7	1864.1
40°	1575.3	1626.2	1706.3	1767.0	1788.9
42.5°	1500.0	1553.4	1638.4	1708.8	1728.2
45°	1407.8	1475.8	1570.4	1638.4	1660.2
47.5°	1337.4	1400.5	1490.3	1570.4	1602.0
50°	1252.5	1322.8	1422.4	1495.2	1536.4
52.5°	1174.8	1240.3	1342.3	1412.6	1461.2
55°	1082.5	1160.2	1267.0	1347.1	1390.8
57.5°	992.7	1072.8	1184.5	1267.0	1310.7
60°	905.4	987.9	1109.2	1191.8	1233.0
62.5°	820.4	907.8	1017.0	1116.5	1150.5
65°	725.7	815.5	941.8	1034.0	1075.3
67.5°	643.2	723.3	859.2	944.2	990.3
70°	548.6	643.2	767.0	864.1	902.9
72.5°	456.3	555.8	684.5	784.0	822.8
75°	371.4	468.5	599.5	696.6	742.7
77.5°	286.4	385.9	519.4	618.9	657.8
80°	199.0	308.3	441.8	541.3	582.5
82.5°	126.2	237.9	376.2	470.9	509.7
85°	65.5	179.6	315.5	415.1	451.5
87.5°	21.8	135.9	271.8	368.9	405.3
90°	2.4	114.1	247.6	344.7	381.1
92.5°	0.0	109.2	240.3	332.5	366.5
95°	0.0	104.4	233.0	322.8	356.8
97.5°	0.0	101.9	223.3	313.1	347.1
100°	0.0	97.1	218.5	305.8	337.4
102.5°	0.0	94.7	211.2	296.1	327.7
105°	0.0	92.2	203.9	286.4	318.0



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CATALOG NUMBER: 8AWS-L3C3-SQR-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	82.5	184.5	259.7	286.4
115°	2.4	80.1	177.2	247.6	274.3
117.5°	2.4	75.2	172.3	237.9	262.1
120°	2.4	72.8	165.1	230.6	252.4
122.5°	2.4	70.4	157.8	218.5	242.7
125°	2.4	65.5	150.5	208.7	230.6
127.5°	2.4	60.7	143.2	199.0	218.5
130°	2.4	58.3	135.9	186.9	208.7
132.5°	2.4	53.4	128.6	179.6	196.6
135°	2.4	51.0	121.4	167.5	186.9
137.5°	2.4	46.1	114.1	157.8	174.8
140°	2.4	41.3	104.4	148.1	162.6
142.5°	2.4	38.8	97.1	135.9	150.5
145°	4.9	34.0	87.4	123.8	138.4
147.5°	4.9	31.6	77.7	114.1	126.2
150°	4.9	26.7	68.0	101.9	114.1
152.5°	4.9	24.3	60.7	89.8	101.9
155°	4.9	19.4	51.0	80.1	87.4
157.5°	4.9	17.0	43.7	68.0	77.7
160°	4.9	14.6	36.4	58.3	65.5
162.5°	4.9	12.1	29.1	46.1	53.4
165°	4.9	9.7	21.8	34.0	41.3
167.5°	4.9	7.3	17.0	24.3	31.6
170°	4.9	7.3	12.1	17.0	24.3
172.5°	4.9	4.9	7.3	9.7	14.6
175°	4.9	4.9	4.9	4.9	4.9
177.5°	4.9	4.9	2.4	2.4	0.0
180°	2.4	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	87.4	199.0	276.7	305.8
110°	2.4	85.0	191.8	267.0	296.1



(END OF REPORT)