

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: P709781

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709781
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-4000K-LOW
Description: 8foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

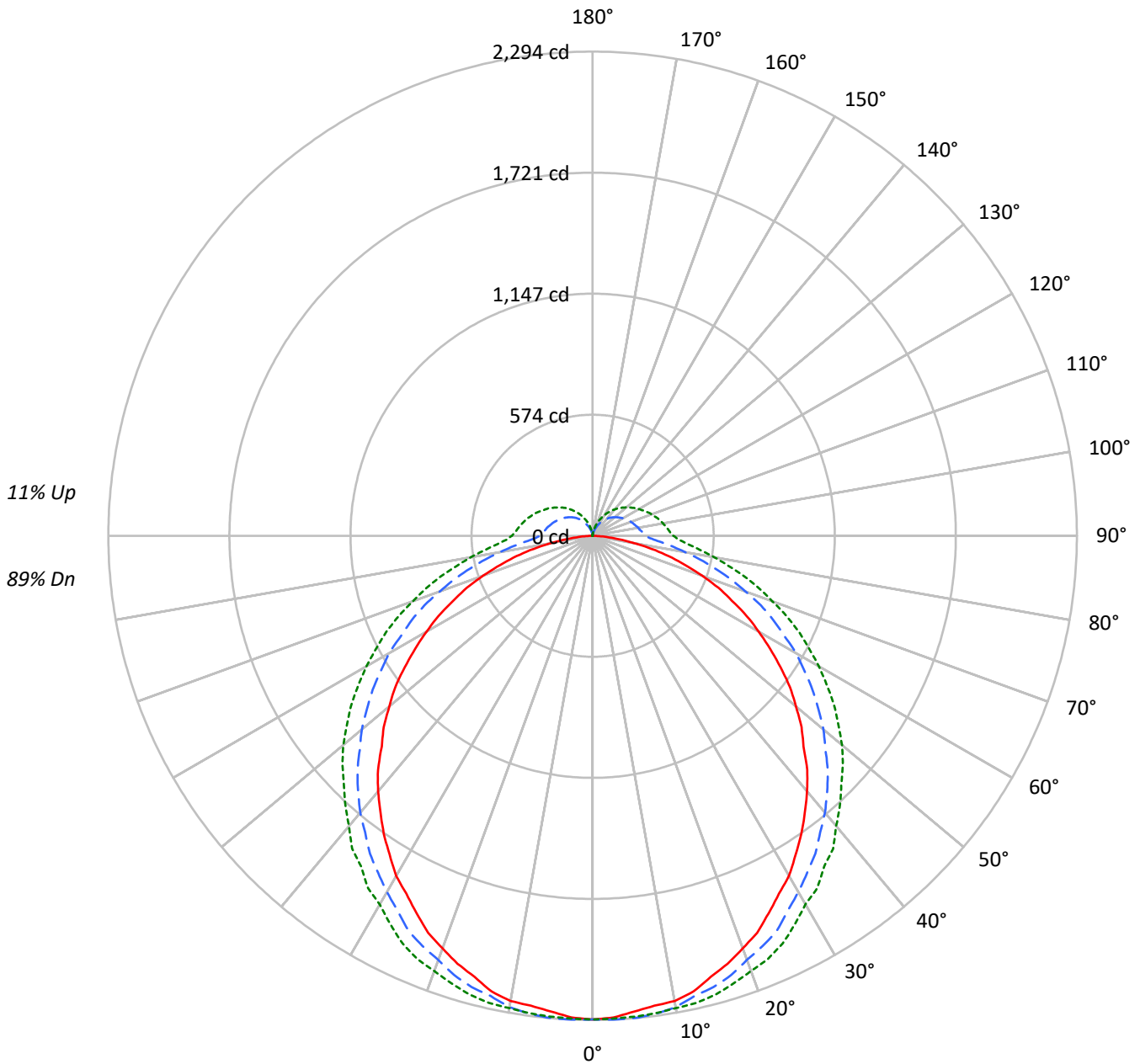
Lumens per Lamp: N/A
Luminaire Lumens: 7998.0 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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

TEST NUMBER: P709781

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

Luminous Intensity Polar Plot





TEST NUMBER: P709781

CATALOG NUMBER: 8AWS-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	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°	7227	7227	7227
5°	7152	7140	7078
10°	7147	7018	6957
15°	7030	6867	6867
20°	6939	6699	6726
25°	6813	6585	6611
30°	6713	6374	6382
35°	6564	6225	6223
40°	6420	6053	6062
45°	6200	5876	5893
50°	6049	5677	5770
55°	5837	5462	5590
60°	5573	5241	5375
65°	5252	4966	5163
70°	4859	4613	4866
75°	4282	4234	4601
80°	3322	3814	4281
85°	2009	3537	4117



TEST NUMBER: P709781

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	2.7
10°-20°	623.5	7.8
20°-30°	945.6	11.8
30°-40°	1144.5	14.3
40°-50°	1204.9	15.1
50°-60°	1122.3	14.0
60°-70°	915.5	11.4
70°-80°	617.2	7.7
80°-90°	331.7	4.1
90°-100°	229.9	2.9
100°-110°	196.8	2.5
110°-120°	160.5	2.0
120°-130°	122.0	1.5
130°-140°	84.5	1.1
140°-150°	50.4	0.6
150°-160°	23.5	0.3
160°-170°	6.9	0.1
170°-180°	0.7	0.0
0°-30°	1786.5	22.3
0°-40°	2931.0	36.6
0°-60°	5258.3	65.7
0°-90°	7122.7	89.1
90°-120°	587.3	7.3
90°-150°	844.2	10.6
90°-180°	875.0	10.9
0°-180°	7998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2292	2292	2292	2292	2292	
5°	2262	2287	2294	2294	2287	215
15°	2163	2187	2214	2233	2250	611
25°	1973	2012	2065	2085	2131	910
35°	1724	1766	1839	1892	1912	1078
45°	1413	1481	1576	1644	1666	1096
55°	1086	1164	1271	1352	1396	971
65°	728	818	945	1038	1079	724
75°	373	470	602	699	745	394
85°	66	180	317	416	453	82
90°	2	114	248	346	382	4
95°	0	105	234	324	358	0
105°	0	92	205	287	319	0
115°	2	80	178	248	275	2
125°	2	66	151	209	231	2
135°	2	51	122	168	188	2
145°	5	34	88	124	139	2
155°	5	20	51	80	88	2
165°	5	10	22	34	41	1
175°	5	5	5	5	5	0
180°	2	2	2	2	2	



TEST NUMBER: P709781

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2291.8	2291.8	2291.8	2291.8	2291.8
2.5°	2284.5	2286.9	2294.2	2301.5	2289.3
5°	2262.5	2286.9	2294.2	2294.2	2286.9
7.5°	2245.5	2267.4	2284.5	2279.6	2282.0
10°	2238.2	2250.4	2267.4	2279.6	2272.3
12.5°	2211.4	2218.7	2233.3	2252.8	2267.4
15°	2162.7	2187.0	2213.8	2233.3	2250.4
17.5°	2126.2	2148.1	2182.2	2199.2	2223.6
20°	2079.9	2104.2	2138.3	2174.9	2194.3
22.5°	2036.0	2058.0	2104.2	2128.6	2170.0
25°	1972.7	2011.7	2065.3	2084.7	2131.0
27.5°	1911.8	1955.7	2001.9	2055.5	2075.0
30°	1860.7	1892.3	1948.4	1994.6	2016.6
32.5°	1790.1	1833.9	1892.3	1948.4	1980.0
35°	1724.3	1765.7	1838.8	1892.3	1911.8
37.5°	1651.2	1697.5	1770.6	1833.9	1870.4
40°	1580.6	1631.8	1712.1	1773.0	1794.9
42.5°	1505.1	1558.7	1643.9	1714.6	1734.0
45°	1412.6	1480.8	1575.7	1643.9	1665.9
47.5°	1341.9	1405.3	1495.4	1575.7	1607.4
50°	1256.7	1327.3	1427.2	1500.2	1541.6
52.5°	1178.8	1244.5	1346.8	1417.4	1466.1
55°	1086.2	1164.1	1271.3	1351.7	1395.5
57.5°	996.1	1076.5	1188.5	1271.3	1315.1
60°	908.4	991.2	1113.0	1195.8	1237.2
62.5°	823.2	910.9	1020.5	1120.3	1154.4
65°	728.2	818.3	945.0	1037.5	1078.9
67.5°	645.4	725.8	862.2	947.4	993.7
70°	550.4	645.4	769.6	867.0	906.0
72.5°	457.9	557.7	686.8	786.7	825.6
75°	372.6	470.0	601.6	699.0	745.2
77.5°	287.4	387.2	521.2	621.0	660.0
80°	199.7	309.3	443.3	543.1	584.5
82.5°	126.6	238.7	377.5	472.5	511.4
85°	65.8	180.2	316.6	416.5	453.0
87.5°	21.9	136.4	272.8	370.2	406.7
90°	2.4	114.5	248.4	345.8	382.4
92.5°	0.0	109.6	241.1	333.7	367.8
95°	0.0	104.7	233.8	323.9	358.0
97.5°	0.0	102.3	224.1	314.2	348.3
100°	0.0	97.4	219.2	306.9	338.5
102.5°	0.0	95.0	211.9	297.1	328.8
105°	0.0	92.5	204.6	287.4	319.0



TEST NUMBER: P709781

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	82.8	185.1	260.6	287.4
115°	2.4	80.4	177.8	248.4	275.2
117.5°	2.4	75.5	172.9	238.7	263.0
120°	2.4	73.1	165.6	231.4	253.3
122.5°	2.4	70.6	158.3	219.2	243.5
125°	2.4	65.8	151.0	209.4	231.4
127.5°	2.4	60.9	143.7	199.7	219.2
130°	2.4	58.5	136.4	187.5	209.4
132.5°	2.4	53.6	129.1	180.2	197.3
135°	2.4	51.1	121.8	168.0	187.5
137.5°	2.4	46.3	114.5	158.3	175.4
140°	2.4	41.4	104.7	148.6	163.2
142.5°	2.4	39.0	97.4	136.4	151.0
145°	4.9	34.1	87.7	124.2	138.8
147.5°	4.9	31.7	77.9	114.5	126.6
150°	4.9	26.8	68.2	102.3	114.5
152.5°	4.9	24.4	60.9	90.1	102.3
155°	4.9	19.5	51.1	80.4	87.7
157.5°	4.9	17.0	43.8	68.2	77.9
160°	4.9	14.6	36.5	58.5	65.8
162.5°	4.9	12.2	29.2	46.3	53.6
165°	4.9	9.7	21.9	34.1	41.4
167.5°	4.9	7.3	17.0	24.4	31.7
170°	4.9	7.3	12.2	17.0	24.4
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	87.7	199.7	277.6	306.9
110°	2.4	85.2	192.4	267.9	297.1



(END OF REPORT)