

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: P709808

Luminaire Tested: **8AWS-L3C39-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709808
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-L3C39-SQR-UNV-4000K-LOW
Description: 8foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

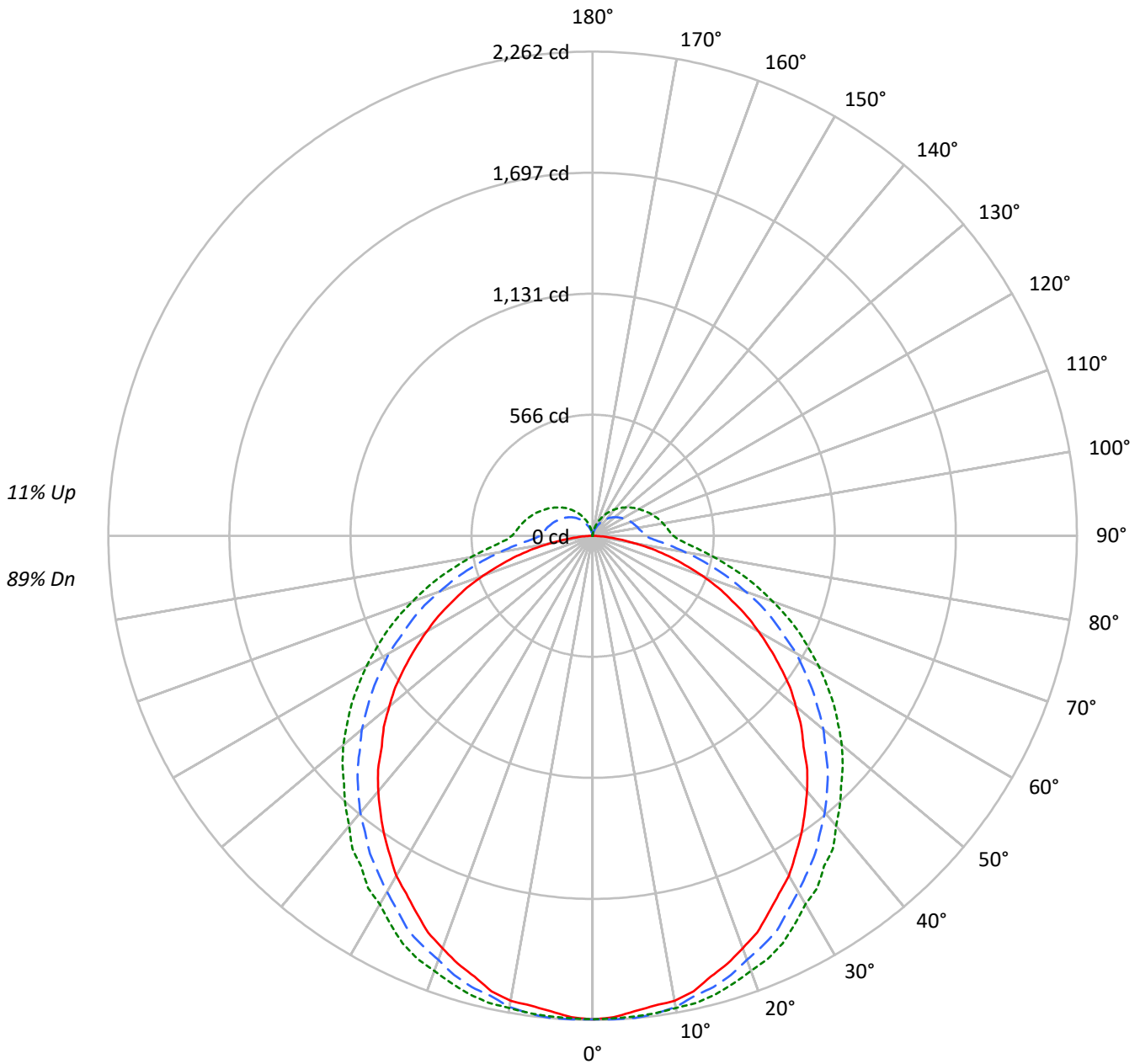
Lumens per Lamp: N/A
Luminaire Lumens: 7884.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

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

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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°	7124	7124	7124
5°	7050	7039	6977
10°	7045	6918	6857
15°	6930	6770	6769
20°	6840	6603	6630
25°	6716	6491	6517
30°	6617	6283	6291
35°	6470	6137	6135
40°	6328	5967	5976
45°	6111	5793	5808
50°	5963	5596	5688
55°	5754	5384	5510
60°	5494	5167	5298
65°	5177	4895	5089
70°	4790	4547	4797
75°	4221	4174	4535
80°	3275	3759	4220
85°	1979	3486	4058



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	2.7
10°-20°	614.6	7.8
20°-30°	932.1	11.8
30°-40°	1128.2	14.3
40°-50°	1187.7	15.1
50°-60°	1106.3	14.0
60°-70°	902.4	11.4
70°-80°	608.4	7.7
80°-90°	327.0	4.1
90°-100°	226.6	2.9
100°-110°	194.0	2.5
110°-120°	158.3	2.0
120°-130°	120.3	1.5
130°-140°	83.3	1.1
140°-150°	49.7	0.6
150°-160°	23.1	0.3
160°-170°	6.8	0.1
170°-180°	0.7	0.0
0°-30°	1761.1	22.3
0°-40°	2889.3	36.6
0°-60°	5183.3	65.7
0°-90°	7021.2	89.1
90°-120°	578.9	7.3
90°-150°	832.2	10.6
90°-180°	863.0	10.9
0°-180°	7884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2259	2259	2259	2259	2259	
5°	2230	2254	2262	2262	2254	212
15°	2132	2156	2182	2202	2218	603
25°	1945	1983	2036	2055	2101	897
35°	1700	1740	1813	1865	1885	1063
45°	1392	1460	1553	1620	1642	1080
55°	1071	1148	1253	1332	1376	957
65°	718	807	932	1023	1064	714
75°	367	463	593	689	735	388
85°	65	178	312	410	446	81
90°	2	113	245	341	377	4
95°	0	103	230	319	353	0
105°	0	91	202	283	314	0
115°	2	79	175	245	271	2
125°	2	65	149	206	228	2
135°	2	50	120	166	185	2
145°	5	34	86	122	137	2
155°	5	19	50	79	86	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°	2259.1	2259.1	2259.1	2259.1	2259.1
2.5°	2251.9	2254.3	2261.5	2268.7	2256.7
5°	2230.3	2254.3	2261.5	2261.5	2254.3
7.5°	2213.5	2235.1	2251.9	2247.1	2249.5
10°	2206.3	2218.3	2235.1	2247.1	2239.9
12.5°	2179.9	2187.1	2201.5	2220.7	2235.1
15°	2131.9	2155.9	2182.3	2201.5	2218.3
17.5°	2095.8	2117.5	2151.1	2167.9	2191.9
20°	2050.2	2074.2	2107.8	2143.9	2163.1
22.5°	2007.0	2028.6	2074.2	2098.2	2139.1
25°	1944.6	1983.0	2035.8	2055.0	2100.6
27.5°	1884.6	1927.8	1973.4	2026.2	2045.4
30°	1834.2	1865.4	1920.6	1966.2	1987.8
32.5°	1764.5	1807.8	1865.4	1920.6	1951.8
35°	1699.7	1740.5	1812.6	1865.4	1884.6
37.5°	1627.7	1673.3	1745.3	1807.8	1843.8
40°	1558.1	1608.5	1687.7	1747.7	1769.3
42.5°	1483.7	1536.5	1620.5	1690.1	1709.3
45°	1392.4	1459.6	1553.3	1620.5	1642.1
47.5°	1322.8	1385.2	1474.1	1553.3	1584.5
50°	1238.8	1308.4	1406.8	1478.9	1519.7
52.5°	1162.0	1226.8	1327.6	1397.2	1445.2
55°	1070.7	1147.6	1253.2	1332.4	1375.6
57.5°	981.9	1061.1	1171.6	1253.2	1296.4
60°	895.5	977.1	1097.1	1178.8	1219.6
62.5°	811.5	897.9	1005.9	1104.3	1138.0
65°	717.8	806.6	931.5	1022.7	1063.5
67.5°	636.2	715.4	849.9	933.9	979.5
70°	542.6	636.2	758.6	854.7	893.1
72.5°	451.3	549.8	677.0	775.4	813.9
75°	367.3	463.3	593.0	689.0	734.6
77.5°	283.3	381.7	513.8	612.2	650.6
80°	196.9	304.9	436.9	535.4	576.2
82.5°	124.8	235.3	372.1	465.7	504.2
85°	64.8	177.7	312.1	410.5	446.5
87.5°	21.6	134.4	268.9	364.9	400.9
90°	2.4	112.8	244.9	340.9	376.9
92.5°	0.0	108.0	237.7	328.9	362.5
95°	0.0	103.2	230.5	319.3	352.9
97.5°	0.0	100.8	220.9	309.7	343.3
100°	0.0	96.0	216.1	302.5	333.7
102.5°	0.0	93.6	208.9	292.9	324.1
105°	0.0	91.2	201.7	283.3	314.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	81.6	182.5	256.9	283.3
115°	2.4	79.2	175.3	244.9	271.3
117.5°	2.4	74.4	170.5	235.3	259.3
120°	2.4	72.0	163.3	228.1	249.7
122.5°	2.4	69.6	156.0	216.1	240.1
125°	2.4	64.8	148.8	206.5	228.1
127.5°	2.4	60.0	141.6	196.9	216.1
130°	2.4	57.6	134.4	184.9	206.5
132.5°	2.4	52.8	127.2	177.7	194.5
135°	2.4	50.4	120.0	165.7	184.9
137.5°	2.4	45.6	112.8	156.0	172.9
140°	2.4	40.8	103.2	146.4	160.8
142.5°	2.4	38.4	96.0	134.4	148.8
145°	4.8	33.6	86.4	122.4	136.8
147.5°	4.8	31.2	76.8	112.8	124.8
150°	4.8	26.4	67.2	100.8	112.8
152.5°	4.8	24.0	60.0	88.8	100.8
155°	4.8	19.2	50.4	79.2	86.4
157.5°	4.8	16.8	43.2	67.2	76.8
160°	4.8	14.4	36.0	57.6	64.8
162.5°	4.8	12.0	28.8	45.6	52.8
165°	4.8	9.6	21.6	33.6	40.8
167.5°	4.8	7.2	16.8	24.0	31.2
170°	4.8	7.2	12.0	16.8	24.0
172.5°	4.8	4.8	7.2	9.6	14.4
175°	4.8	4.8	4.8	4.8	4.8
177.5°	4.8	4.8	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	86.4	196.9	273.7	302.5
110°	2.4	84.0	189.7	264.1	292.9



(END OF REPORT)