

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: P709853

Luminaire Tested: **4AWWS-L3C3-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709853
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: 4AWS-L3C3-SQR-UNV-4000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

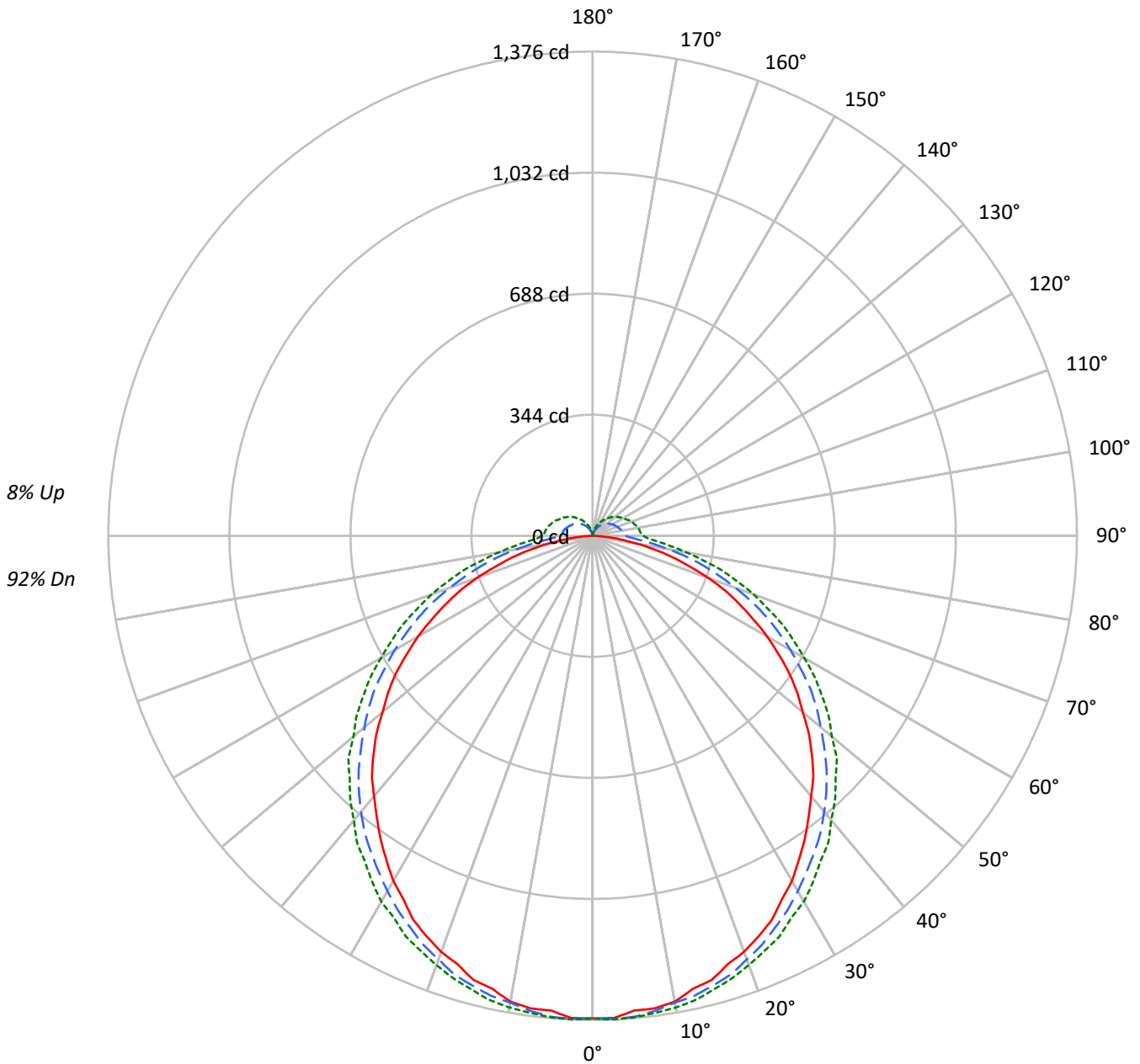
Lumens per Lamp: N/A
Luminaire Lumens: 4495.0 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 31
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	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°	4795	4795	4795
5°	4734	4740	4733
10°	4733	4637	4665
15°	4672	4570	4577
20°	4603	4476	4495
25°	4549	4374	4424
30°	4455	4269	4333
35°	4344	4169	4211
40°	4244	4065	4108
45°	4164	3947	4004
50°	4015	3800	3875
55°	3902	3668	3753
60°	3711	3472	3580
65°	3469	3261	3416
70°	3162	2968	3182
75°	2706	2633	2909
80°	2000	2182	2507
85°	1137	1755	2211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	2.9
10°-20°	373.1	8.3
20°-30°	567.1	12.6
30°-40°	686.9	15.3
40°-50°	722.2	16.1
50°-60°	667.6	14.9
60°-70°	531.3	11.8
70°-80°	334.4	7.4
80°-90°	144.9	3.2
90°-100°	85.9	1.9
100°-110°	75.6	1.7
110°-120°	62.5	1.4
120°-130°	47.9	1.1
130°-140°	33.4	0.7
140°-150°	19.8	0.4
150°-160°	9.3	0.2
160°-170°	2.7	0.1
170°-180°	0.3	0.0
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0°-30°	1070.2	23.8
0°-40°	1757.1	39.1
0°-60°	3146.9	70.0
0°-90°	4157.6	92.5
90°-120°	224.0	5.0
90°-150°	325.1	7.2
90°-180°	337.0	7.5
0°-180°	4495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1354	1366	1372	1370	1373	129
15°	1307	1306	1323	1331	1334	368
25°	1205	1210	1228	1251	1256	553
35°	1051	1072	1098	1126	1128	657
45°	881	907	940	967	976	679
55°	682	715	754	787	796	608
65°	461	500	544	580	594	456
75°	235	278	324	361	380	248
85°	43	82	132	170	184	53
90°	1	42	92	128	142	2
95°	0	37	86	122	135	0
105°	0	34	79	111	124	0
115°	0	30	69	98	108	0
125°	1	24	59	84	92	1
135°	1	20	48	66	75	1
145°	0	13	34	49	55	1
155°	1	7	22	32	36	1
165°	1	3	9	14	17	0
175°	1	1	1	3	3	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1371.7	1371.7	1371.7	1371.7	1371.7
2.5°	1371.7	1361.6	1374.6	1373.1	1376.0
5°	1354.4	1365.9	1371.7	1370.3	1373.1
7.5°	1354.4	1354.4	1361.6	1365.9	1367.4
10°	1344.3	1350.1	1347.2	1354.4	1361.6
12.5°	1318.4	1334.3	1338.6	1354.4	1351.5
15°	1306.9	1305.5	1322.8	1331.4	1334.3
17.5°	1276.7	1288.2	1306.9	1315.6	1318.4
20°	1258.0	1269.5	1281.0	1299.7	1298.3
22.5°	1232.1	1242.2	1258.0	1275.3	1276.7
25°	1204.7	1210.5	1227.8	1250.8	1256.5
27.5°	1164.4	1183.1	1199.0	1229.2	1223.4
30°	1132.8	1145.7	1165.9	1194.7	1200.4
32.5°	1091.0	1116.9	1131.3	1157.2	1165.9
35°	1050.7	1072.3	1098.2	1125.6	1128.4
37.5°	1007.5	1037.8	1063.7	1092.5	1099.7
40°	965.8	991.7	1023.4	1049.3	1055.0
42.5°	928.4	952.8	983.1	1016.2	1019.1
45°	880.9	906.8	939.9	967.2	975.9
47.5°	833.4	863.6	892.4	925.5	941.3
50°	778.7	813.2	846.3	879.4	886.6
52.5°	732.6	761.4	801.7	834.8	846.3
55°	682.2	715.4	754.2	787.3	796.0
57.5°	626.1	657.8	699.5	735.5	748.5
60°	572.9	607.4	649.1	685.1	693.8
62.5°	515.3	554.1	595.9	633.3	643.4
65°	460.6	499.5	544.1	580.1	594.4
67.5°	407.3	444.8	489.4	525.4	536.9
70°	348.3	385.7	431.8	472.1	486.5
72.5°	287.9	328.2	375.7	418.8	430.4
75°	234.6	277.8	323.9	361.3	380.0
77.5°	179.9	217.3	270.6	306.6	321.0
80°	125.2	168.4	217.3	257.6	269.2
82.5°	80.6	122.3	172.7	208.7	223.1
85°	43.2	82.0	132.4	169.8	184.2
87.5°	14.4	54.7	105.1	141.1	156.9
90°	1.4	41.7	92.1	128.1	142.5
92.5°	0.0	38.9	87.8	122.3	138.2
95°	0.0	37.4	86.4	122.3	135.3
97.5°	0.0	37.4	84.9	120.9	133.9
100°	0.0	36.0	83.5	116.6	131.0
102.5°	0.0	34.5	82.0	115.1	128.1
105°	0.0	34.5	79.2	110.8	123.8



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CATALOG NUMBER: 4AWWS-L3C3-SQR-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.2	72.0	102.2	113.7
115°	0.0	30.2	69.1	97.9	108.0
117.5°	0.0	28.8	67.6	95.0	103.6
120°	0.0	27.3	64.8	90.7	100.8
122.5°	0.0	25.9	61.9	86.4	96.4
125°	1.4	24.5	59.0	83.5	92.1
127.5°	1.4	23.0	56.1	79.2	87.8
130°	1.4	23.0	53.3	74.8	83.5
132.5°	1.4	21.6	50.4	70.5	79.2
135°	1.4	20.2	47.5	66.2	74.8
137.5°	1.4	18.7	44.6	63.3	69.1
140°	0.0	17.3	41.7	57.6	64.8
142.5°	1.4	14.4	37.4	54.7	59.0
145°	0.0	13.0	34.5	48.9	54.7
147.5°	1.4	11.5	31.7	44.6	50.4
150°	1.4	10.1	28.8	40.3	46.1
152.5°	1.4	8.6	24.5	36.0	40.3
155°	1.4	7.2	21.6	31.7	36.0
157.5°	1.4	5.8	17.3	27.3	30.2
160°	1.4	5.8	14.4	23.0	25.9
162.5°	1.4	4.3	11.5	18.7	21.6
165°	1.4	2.9	8.6	14.4	17.3
167.5°	1.4	2.9	5.8	11.5	13.0
170°	1.4	2.9	4.3	7.2	8.6
172.5°	1.4	1.4	2.9	4.3	5.8
175°	1.4	1.4	1.4	2.9	2.9
177.5°	1.4	1.4	1.4	1.4	1.4
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	33.1	76.3	106.5	120.9
110°	0.0	31.7	74.8	103.6	116.6



(END OF REPORT)