

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: P709856

Luminaire Tested: **4AWWS-L3C3-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709856
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-5000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

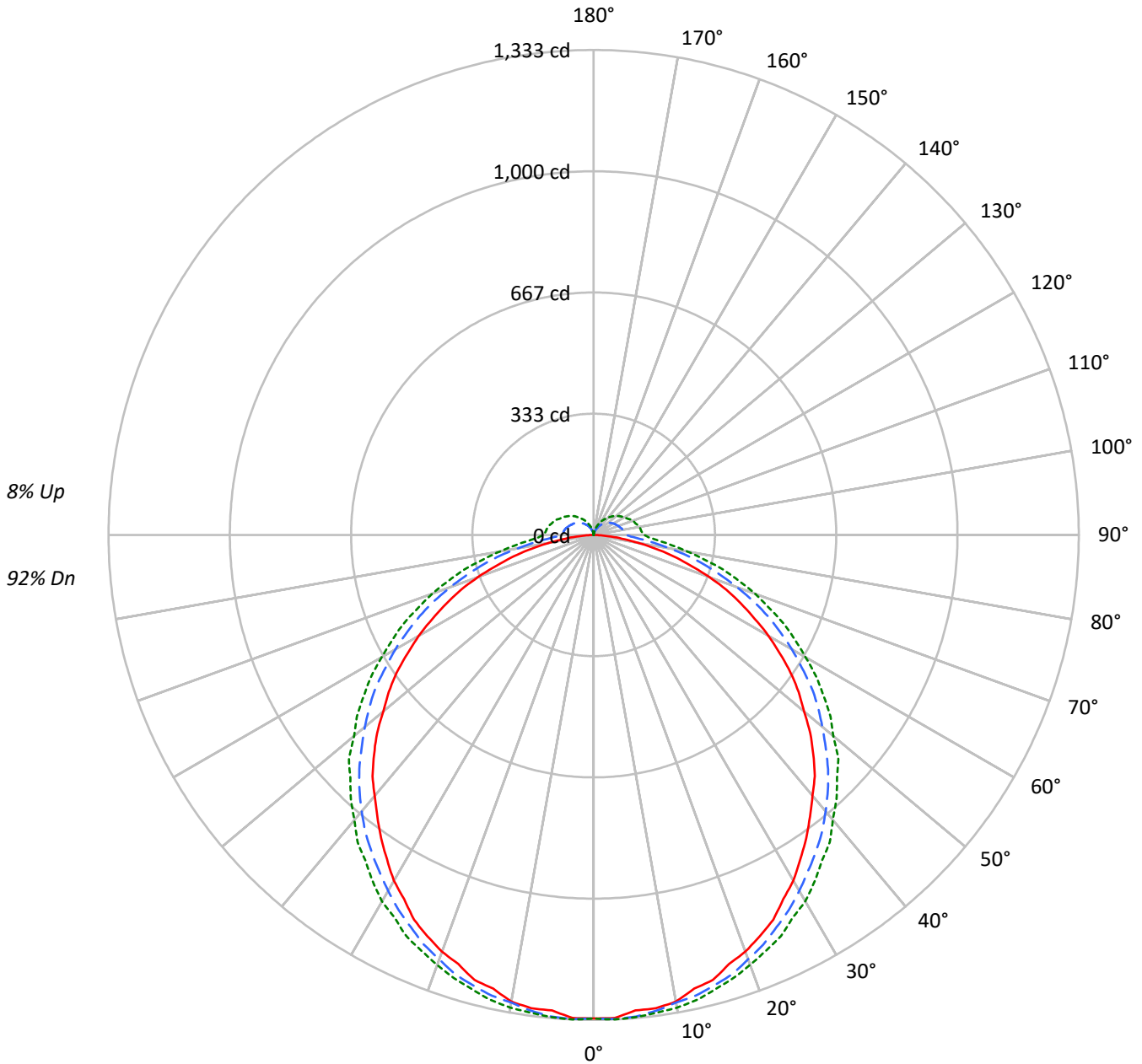
Lumens per Lamp: N/A
Luminaire Lumens: 4355.0 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32
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°	4646	4646	4646
5°	4586	4592	4586
10°	4586	4493	4519
15°	4527	4428	4435
20°	4459	4337	4354
25°	4408	4238	4286
30°	4316	4136	4198
35°	4209	4039	4080
40°	4112	3939	3980
45°	4034	3824	3879
50°	3890	3682	3755
55°	3781	3554	3636
60°	3595	3364	3469
65°	3360	3159	3310
70°	3064	2876	3082
75°	2622	2551	2818
80°	1938	2114	2429
85°	1100	1701	2143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	2.9
10°-20°	361.5	8.3
20°-30°	549.4	12.6
30°-40°	665.5	15.3
40°-50°	699.7	16.1
50°-60°	646.8	14.9
60°-70°	514.8	11.8
70°-80°	324.0	7.4
80°-90°	140.4	3.2
90°-100°	83.2	1.9
100°-110°	73.3	1.7
110°-120°	60.5	1.4
120°-130°	46.4	1.1
130°-140°	32.4	0.7
140°-150°	19.2	0.4
150°-160°	9.0	0.2
160°-170°	2.7	0.1
170°-180°	0.3	0.0
0°-30°	1036.8	23.8
0°-40°	1702.3	39.1
0°-60°	3048.9	70.0
0°-90°	4028.1	92.5
90°-120°	217.1	5.0
90°-150°	315.0	7.2
90°-180°	327.0	7.5
0°-180°	4355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1329	1329	1329	1329	1329	
5°	1312	1323	1329	1328	1330	125
15°	1266	1265	1282	1290	1293	356
25°	1167	1173	1190	1212	1217	536
35°	1018	1039	1064	1090	1093	637
45°	853	878	911	937	946	657
55°	661	693	731	763	771	589
65°	446	484	527	562	576	442
75°	227	269	314	350	368	240
85°	42	80	128	165	178	51
90°	1	40	89	124	138	2
95°	0	36	84	118	131	0
105°	0	34	77	107	120	0
115°	0	29	67	95	105	0
125°	1	24	57	81	89	1
135°	1	20	46	64	72	1
145°	0	13	34	47	53	1
155°	1	7	21	31	35	1
165°	1	3	8	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°	1329.0	1329.0	1329.0	1329.0	<i>1329.0</i>
2.5°	<i>1329.0</i>	<i>1319.2</i>	<i>1331.8</i>	<i>1330.4</i>	<i>1333.2</i>
5°	1312.2	1323.4	1329.0	1327.6	<i>1330.4</i>
7.5°	1312.2	1312.2	1319.2	1323.4	<i>1324.8</i>
10°	1302.5	1308.1	1305.3	1312.2	<i>1319.2</i>
12.5°	1277.4	1292.7	1296.9	1312.2	<i>1309.4</i>
15°	1266.2	1264.8	1281.6	1289.9	<i>1292.7</i>
17.5°	1236.9	1248.1	1266.2	1274.6	<i>1277.4</i>
20°	1218.8	1230.0	1241.1	1259.2	<i>1257.8</i>
22.5°	1193.7	1203.5	1218.8	1235.5	<i>1236.9</i>
25°	1167.2	1172.8	1189.5	1211.8	<i>1217.4</i>
27.5°	1128.2	1146.3	1161.6	1190.9	<i>1185.3</i>
30°	1097.5	1110.0	1129.6	1157.4	<i>1163.0</i>
32.5°	1057.0	1082.1	1096.1	1121.2	<i>1129.6</i>
35°	1018.0	1038.9	1064.0	1090.5	<i>1093.3</i>
37.5°	976.2	1005.4	1030.5	1058.4	<i>1065.4</i>
40°	935.7	960.8	991.5	1016.6	<i>1022.2</i>
42.5°	899.5	923.2	952.5	984.5	<i>987.3</i>
45°	853.4	878.5	910.6	937.1	<i>945.5</i>
47.5°	807.4	836.7	864.6	896.7	<i>912.0</i>
50°	754.4	787.9	820.0	852.0	<i>859.0</i>
52.5°	709.8	737.7	776.7	808.8	<i>820.0</i>
55°	661.0	693.1	730.7	762.8	<i>771.2</i>
57.5°	606.6	637.3	677.7	712.6	<i>725.1</i>
60°	555.0	588.5	628.9	663.8	<i>672.2</i>
62.5°	499.2	536.9	577.3	613.6	<i>623.3</i>
65°	446.2	483.9	527.1	562.0	<i>575.9</i>
67.5°	394.6	430.9	474.1	509.0	<i>520.2</i>
70°	337.5	373.7	418.4	457.4	<i>471.3</i>
72.5°	278.9	317.9	364.0	405.8	<i>417.0</i>
75°	227.3	269.1	313.8	350.0	<i>368.2</i>
77.5°	174.3	210.6	262.2	297.0	<i>311.0</i>
80°	121.3	163.2	210.6	249.6	<i>260.8</i>
82.5°	78.1	118.5	167.3	202.2	<i>216.1</i>
85°	41.8	79.5	128.3	164.6	<i>178.5</i>
87.5°	13.9	53.0	101.8	136.7	<i>152.0</i>
90°	1.4	40.4	89.2	124.1	<i>138.1</i>
92.5°	0.0	37.7	85.1	118.5	<i>133.9</i>
95°	0.0	36.3	83.7	118.5	<i>131.1</i>
97.5°	0.0	36.3	82.3	117.1	<i>129.7</i>
100°	0.0	34.9	80.9	113.0	<i>126.9</i>
102.5°	0.0	33.5	79.5	111.6	<i>124.1</i>
105°	0.0	33.5	76.7	107.4	<i>119.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.3	69.7	99.0	110.2
115°	0.0	29.3	66.9	94.8	104.6
117.5°	0.0	27.9	65.5	92.0	100.4
120°	0.0	26.5	62.8	87.9	97.6
122.5°	0.0	25.1	60.0	83.7	93.4
125°	1.4	23.7	57.2	80.9	89.2
127.5°	1.4	22.3	54.4	76.7	85.1
130°	1.4	22.3	51.6	72.5	80.9
132.5°	1.4	20.9	48.8	68.3	76.7
135°	1.4	19.5	46.0	64.1	72.5
137.5°	1.4	18.1	43.2	61.4	66.9
140°	0.0	16.7	40.4	55.8	62.8
142.5°	1.4	13.9	36.3	53.0	57.2
145°	0.0	12.6	33.5	47.4	53.0
147.5°	1.4	11.2	30.7	43.2	48.8
150°	1.4	9.8	27.9	39.0	44.6
152.5°	1.4	8.4	23.7	34.9	39.0
155°	1.4	7.0	20.9	30.7	34.9
157.5°	1.4	5.6	16.7	26.5	29.3
160°	1.4	5.6	13.9	22.3	25.1
162.5°	1.4	4.2	11.2	18.1	20.9
165°	1.4	2.8	8.4	13.9	16.7
167.5°	1.4	2.8	5.6	11.2	12.6
170°	1.4	2.8	4.2	7.0	8.4
172.5°	1.4	1.4	2.8	4.2	5.6
175°	1.4	1.4	1.4	2.8	2.8
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	32.1	73.9	103.2	<i>117.1</i>
110°	0.0	30.7	72.5	100.4	<i>113.0</i>



(END OF REPORT)