

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: P709855

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709855
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-HI
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

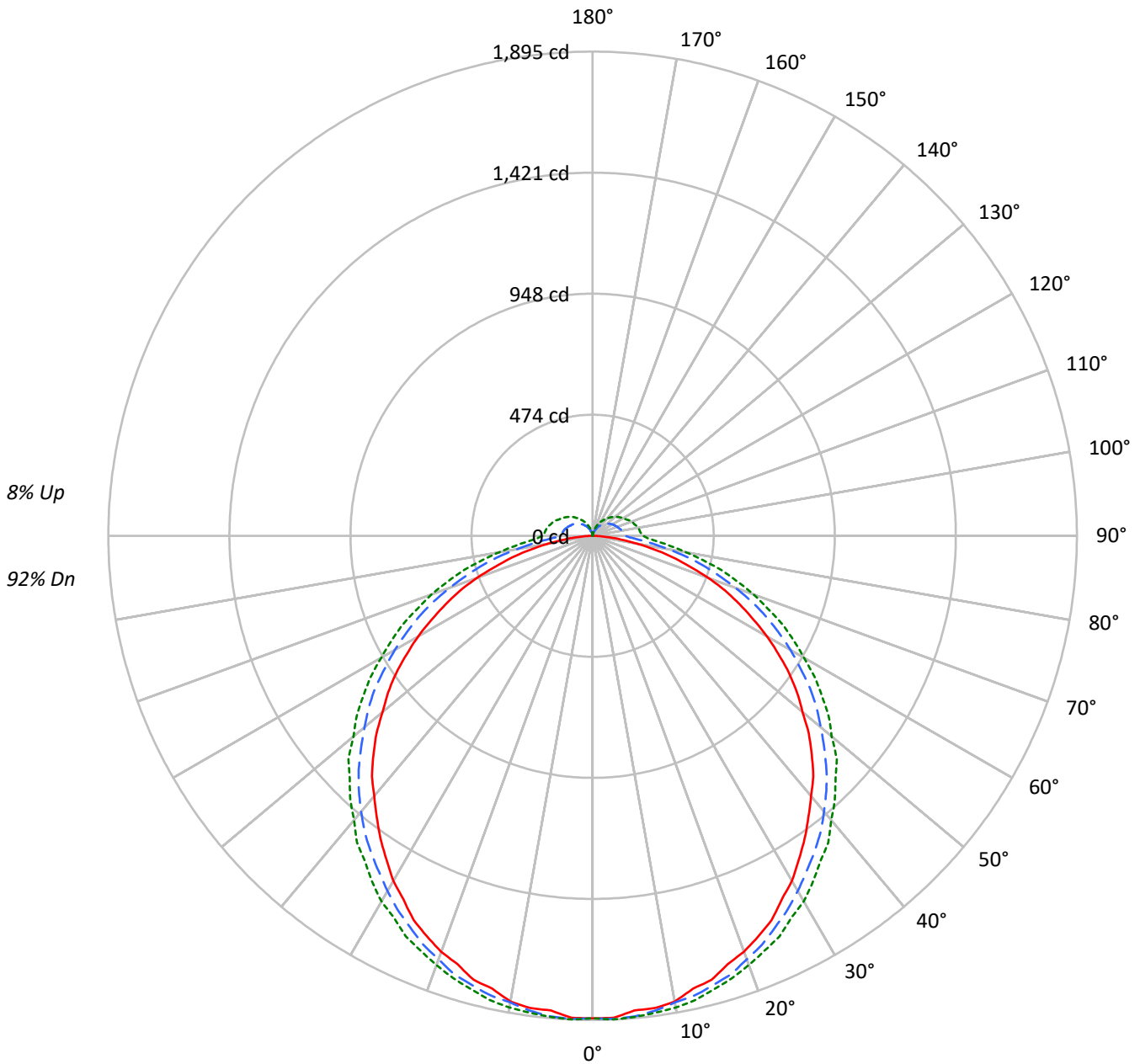
Lumens per Lamp: N/A
Luminaire Lumens: 6189.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 49
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°	6602	6602	6602
5°	6518	6526	6517
10°	6517	6384	6423
15°	6433	6292	6302
20°	6338	6164	6188
25°	6264	6022	6091
30°	6133	5878	5966
35°	5982	5740	5799
40°	5843	5597	5656
45°	5733	5434	5513
50°	5528	5232	5336
55°	5373	5051	5167
60°	5108	4781	4929
65°	4776	4490	4704
70°	4354	4086	4381
75°	3725	3625	4005
80°	2755	3004	3451
85°	1566	2416	3045



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	2.9
10°-20°	513.7	8.3
20°-30°	780.8	12.6
30°-40°	945.8	15.3
40°-50°	994.4	16.1
50°-60°	919.2	14.9
60°-70°	731.6	11.8
70°-80°	460.5	7.4
80°-90°	199.5	3.2
90°-100°	118.3	1.9
100°-110°	104.2	1.7
110°-120°	86.0	1.4
120°-130°	65.9	1.1
130°-140°	46.0	0.7
140°-150°	27.2	0.4
150°-160°	12.8	0.2
160°-170°	3.8	0.1
170°-180°	0.4	0.0
0°-30°	1473.5	23.8
0°-40°	2419.3	39.1
0°-60°	4332.9	70.0
0°-90°	5724.4	92.5
90°-120°	308.5	5.0
90°-150°	447.7	7.2
90°-180°	465.0	7.5
0°-180°	6189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1889	1889	1889	1889	1889	
5°	1865	1881	1889	1887	1891	178
15°	1800	1798	1821	1833	1837	506
25°	1659	1667	1690	1722	1730	762
35°	1447	1476	1512	1550	1554	905
45°	1213	1248	1294	1332	1344	934
55°	939	985	1038	1084	1096	837
65°	634	688	749	799	818	628
75°	323	382	446	497	523	341
85°	60	113	182	234	254	72
90°	2	58	127	176	196	3
95°	0	52	119	168	186	0
105°	0	48	109	153	170	0
115°	0	42	95	135	149	0
125°	2	34	81	115	127	1
135°	2	28	65	91	103	1
145°	0	18	48	67	75	1
155°	2	10	30	44	50	1
165°	2	4	12	20	24	1
175°	2	2	2	4	4	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1888.6	1888.6	1888.6	1888.6	<i>1888.6</i>
2.5°	<i>1888.6</i>	<i>1874.8</i>	<i>1892.6</i>	<i>1890.6</i>	<i>1894.6</i>
5°	1864.9	1880.7	1888.6	1886.7	<i>1890.6</i>
7.5°	1864.9	1864.9	1874.8	1880.7	<i>1882.7</i>
10°	1851.0	1858.9	1854.9	1864.9	<i>1874.8</i>
12.5°	1815.3	1837.1	1843.1	1864.9	<i>1860.9</i>
15°	1799.5	1797.5	1821.3	1833.1	<i>1837.1</i>
17.5°	1757.8	1773.7	1799.5	1811.3	<i>1815.3</i>
20°	1732.1	1747.9	1763.8	1789.5	<i>1787.6</i>
22.5°	1696.4	1710.3	1732.1	1755.9	<i>1757.8</i>
25°	1658.7	1666.7	1690.5	1722.2	<i>1730.1</i>
27.5°	1603.3	1629.0	1650.8	1692.4	<i>1684.5</i>
30°	1559.7	1577.5	1605.2	1644.9	<i>1652.8</i>
32.5°	1502.2	1537.9	1557.7	1593.3	<i>1605.2</i>
35°	1446.7	1476.4	1512.1	1549.7	<i>1553.7</i>
37.5°	1387.2	1428.9	1464.5	1504.2	<i>1514.1</i>
40°	1329.8	1365.4	1409.0	1444.7	<i>1452.6</i>
42.5°	1278.2	1311.9	1353.6	1399.1	<i>1403.1</i>
45°	1212.8	1248.5	1294.1	1331.8	<i>1343.6</i>
47.5°	1147.4	1189.1	1228.7	1274.3	<i>1296.1</i>
50°	1072.1	1119.7	1165.3	1210.9	<i>1220.8</i>
52.5°	1008.7	1048.4	1103.8	1149.4	<i>1165.3</i>
55°	939.4	984.9	1038.5	1084.0	<i>1095.9</i>
57.5°	862.1	905.7	963.1	1012.7	<i>1030.5</i>
60°	788.7	836.3	893.8	943.3	<i>955.2</i>
62.5°	709.5	763.0	820.5	872.0	<i>885.9</i>
65°	634.2	687.7	749.1	798.7	<i>818.5</i>
67.5°	560.8	612.4	673.8	723.3	<i>739.2</i>
70°	479.6	531.1	594.5	650.0	<i>669.8</i>
72.5°	396.4	451.8	517.2	576.7	<i>592.6</i>
75°	323.0	382.5	445.9	497.4	<i>523.2</i>
77.5°	247.7	299.2	372.6	422.1	<i>441.9</i>
80°	172.4	231.9	299.2	354.7	<i>370.6</i>
82.5°	111.0	168.5	237.8	287.4	<i>307.2</i>
85°	59.5	113.0	182.3	233.8	<i>253.7</i>
87.5°	19.8	75.3	144.7	194.2	<i>216.0</i>
90°	2.0	57.5	126.8	176.4	<i>196.2</i>
92.5°	0.0	53.5	120.9	168.5	<i>190.3</i>
95°	0.0	51.5	118.9	168.5	<i>186.3</i>
97.5°	0.0	51.5	116.9	166.5	<i>184.3</i>
100°	0.0	49.5	114.9	160.5	<i>180.3</i>
102.5°	0.0	47.6	113.0	158.5	<i>176.4</i>
105°	0.0	47.6	109.0	152.6	<i>170.4</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.6	99.1	140.7	156.6
115°	0.0	41.6	95.1	134.8	148.6
117.5°	0.0	39.6	93.1	130.8	142.7
120°	0.0	37.7	89.2	124.9	138.7
122.5°	0.0	35.7	85.2	118.9	132.8
125°	2.0	33.7	81.3	114.9	126.8
127.5°	2.0	31.7	77.3	109.0	120.9
130°	2.0	31.7	73.3	103.1	114.9
132.5°	2.0	29.7	69.4	97.1	109.0
135°	2.0	27.7	65.4	91.2	103.1
137.5°	2.0	25.8	61.4	87.2	95.1
140°	0.0	23.8	57.5	79.3	89.2
142.5°	2.0	19.8	51.5	75.3	81.3
145°	0.0	17.8	47.6	67.4	75.3
147.5°	2.0	15.9	43.6	61.4	69.4
150°	2.0	13.9	39.6	55.5	63.4
152.5°	2.0	11.9	33.7	49.5	55.5
155°	2.0	9.9	29.7	43.6	49.5
157.5°	2.0	7.9	23.8	37.7	41.6
160°	2.0	7.9	19.8	31.7	35.7
162.5°	2.0	5.9	15.9	25.8	29.7
165°	2.0	4.0	11.9	19.8	23.8
167.5°	2.0	4.0	7.9	15.9	17.8
170°	2.0	4.0	5.9	9.9	11.9
172.5°	2.0	2.0	4.0	5.9	7.9
175°	2.0	2.0	2.0	4.0	4.0
177.5°	2.0	2.0	2.0	2.0	2.0
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	45.6	105.0	146.7	166.5
110°	0.0	43.6	103.1	142.7	160.5



(END OF REPORT)