

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: P709726

Luminaire Tested: **4AWS-L3C3-SQR-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709726
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: 4AWS-L3C3-SQR-UNV-4000K-HI
Description: 4foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

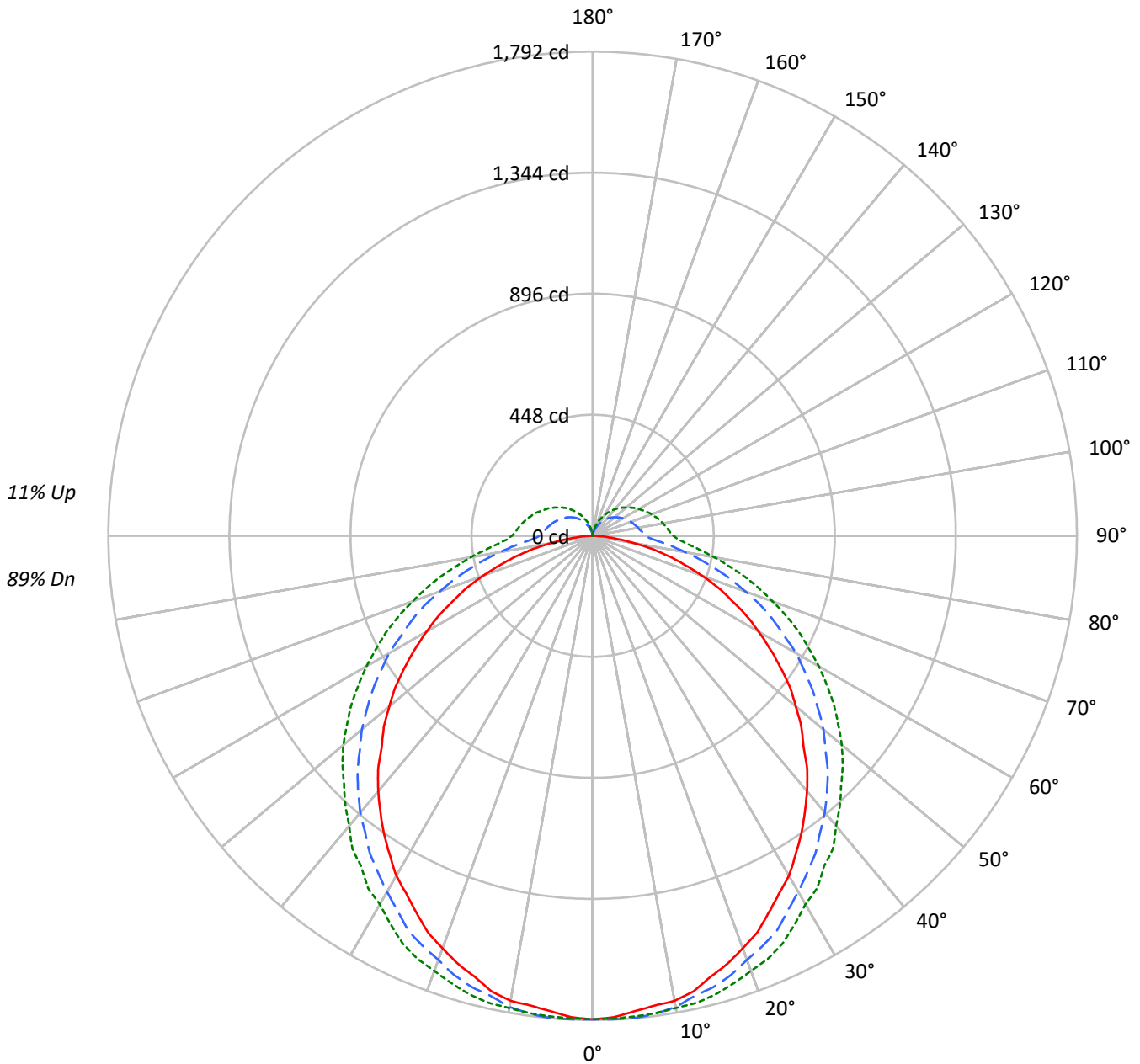
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6246.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 47
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					20									
RC	80					70					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	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°	11288	11288	11288
5°	11155	11141	11055
10°	11131	10941	10865
15°	10933	10695	10726
20°	10775	10422	10505
25°	10562	10235	10326
30°	10389	9897	9968
35°	10139	9655	9720
40°	9895	9378	9468
45°	9531	9092	9203
50°	9272	8769	9011
55°	8916	8423	8731
60°	8474	8067	8395
65°	7937	7624	8064
70°	7279	7061	7600
75°	6328	6454	7186
80°	4788	5779	6687
85°	2716	5311	6430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	2.7
10°-20°	486.9	7.8
20°-30°	738.5	11.8
30°-40°	893.8	14.3
40°-50°	941.0	15.1
50°-60°	876.5	14.0
60°-70°	714.9	11.4
70°-80°	482.0	7.7
80°-90°	259.1	4.1
90°-100°	179.6	2.9
100°-110°	153.7	2.5
110°-120°	125.4	2.0
120°-130°	95.3	1.5
130°-140°	66.0	1.1
140°-150°	39.4	0.6
150°-160°	18.3	0.3
160°-170°	5.4	0.1
170°-180°	0.6	0.0
0°-30°	1395.2	22.3
0°-40°	2289.0	36.6
0°-60°	4106.4	65.7
0°-90°	5562.5	89.1
90°-120°	458.6	7.3
90°-150°	659.3	10.6
90°-180°	684.0	11.0
0°-180°	6246.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1790	1790	1790	1790	1790	
5°	1767	1786	1792	1792	1786	168
15°	1689	1708	1729	1744	1757	477
25°	1541	1571	1613	1628	1664	711
35°	1347	1379	1436	1478	1493	842
45°	1103	1156	1231	1284	1301	856
55°	848	909	993	1056	1090	758
65°	569	639	738	810	843	565
75°	291	367	470	546	582	307
85°	51	141	247	325	354	64
90°	2	89	194	270	299	3
95°	0	82	183	253	280	0
105°	0	72	160	224	249	0
115°	2	63	139	194	215	2
125°	2	51	118	164	181	2
135°	2	40	95	131	146	1
145°	4	27	68	97	108	2
155°	4	15	40	63	68	2
165°	4	8	17	27	32	1
175°	4	4	4	4	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1789.7	1789.7	1789.7	1789.7	1789.7
2.5°	1784.0	1785.9	1791.6	1797.3	1787.8
5°	1766.9	1785.9	1791.6	1791.6	1785.9
7.5°	1753.6	1770.7	1784.0	1780.2	1782.1
10°	1747.9	1757.4	1770.7	1780.2	1774.5
12.5°	1727.0	1732.7	1744.1	1759.3	1770.7
15°	1688.9	1708.0	1728.9	1744.1	1757.4
17.5°	1660.4	1677.5	1704.2	1717.5	1736.5
20°	1624.3	1643.3	1669.9	1698.4	1713.7
22.5°	1590.0	1607.2	1643.3	1662.3	1694.6
25°	1540.6	1571.0	1612.9	1628.1	1664.2
27.5°	1493.0	1527.3	1563.4	1605.3	1620.5
30°	1453.1	1477.8	1521.6	1557.7	1574.8
32.5°	1397.9	1432.2	1477.8	1521.6	1546.3
35°	1346.6	1378.9	1436.0	1477.8	1493.0
37.5°	1289.5	1325.7	1382.7	1432.2	1460.7
40°	1234.4	1274.3	1337.1	1384.6	1401.7
42.5°	1175.4	1217.3	1283.8	1339.0	1354.2
45°	1103.1	1156.4	1230.6	1283.8	1300.9
47.5°	1048.0	1097.4	1167.8	1230.6	1255.3
50°	981.4	1036.6	1114.5	1171.6	1203.9
52.5°	920.5	971.9	1051.8	1106.9	1145.0
55°	848.3	909.1	992.8	1055.6	1089.8
57.5°	777.9	840.7	928.2	992.8	1027.1
60°	709.4	774.1	869.2	933.9	966.2
62.5°	642.9	711.3	796.9	874.9	901.5
65°	568.7	639.1	738.0	810.2	842.6
67.5°	504.0	566.8	673.3	739.9	776.0
70°	429.8	504.0	601.0	677.1	707.5
72.5°	357.6	435.5	536.4	614.3	644.8
75°	291.0	367.1	469.8	545.9	582.0
77.5°	224.4	302.4	407.0	485.0	515.4
80°	156.0	241.5	346.2	424.1	456.5
82.5°	98.9	186.4	294.8	369.0	399.4
85°	51.4	140.7	247.3	325.2	353.8
87.5°	17.1	106.5	213.0	289.1	317.6
90°	1.9	89.4	194.0	270.1	298.6
92.5°	0.0	85.6	188.3	260.6	287.2
95°	0.0	81.8	182.6	253.0	279.6
97.5°	0.0	79.9	175.0	245.4	272.0
100°	0.0	76.1	171.2	239.6	264.4
102.5°	0.0	74.2	165.5	232.0	256.8
105°	0.0	72.3	159.8	224.4	249.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	64.7	144.5	203.5	224.4
115°	1.9	62.8	138.8	194.0	214.9
117.5°	1.9	59.0	135.0	186.4	205.4
120°	1.9	57.1	129.3	180.7	197.8
122.5°	1.9	55.2	123.6	171.2	190.2
125°	1.9	51.4	117.9	163.6	180.7
127.5°	1.9	47.5	112.2	156.0	171.2
130°	1.9	45.6	106.5	146.5	163.6
132.5°	1.9	41.8	100.8	140.7	154.1
135°	1.9	39.9	95.1	131.2	146.5
137.5°	1.9	36.1	89.4	123.6	136.9
140°	1.9	32.3	81.8	116.0	127.4
142.5°	1.9	30.4	76.1	106.5	117.9
145°	3.8	26.6	68.5	97.0	108.4
147.5°	3.8	24.7	60.9	89.4	98.9
150°	3.8	20.9	53.3	79.9	89.4
152.5°	3.8	19.0	47.5	70.4	79.9
155°	3.8	15.2	39.9	62.8	68.5
157.5°	3.8	13.3	34.2	53.3	60.9
160°	3.8	11.4	28.5	45.6	51.4
162.5°	3.8	9.5	22.8	36.1	41.8
165°	3.8	7.6	17.1	26.6	32.3
167.5°	3.8	5.7	13.3	19.0	24.7
170°	3.8	5.7	9.5	13.3	19.0
172.5°	3.8	3.8	5.7	7.6	11.4
175°	3.8	3.8	3.8	3.8	3.8
177.5°	3.8	3.8	1.9	1.9	0.0
180°	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	68.5	156.0	216.8	239.6
110°	1.9	66.6	150.3	209.2	232.0



(END OF REPORT)