

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: P709723

Luminaire Tested: **4AWS-L3C3-SQR-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709723
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-3500K-HI
Description: 4foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

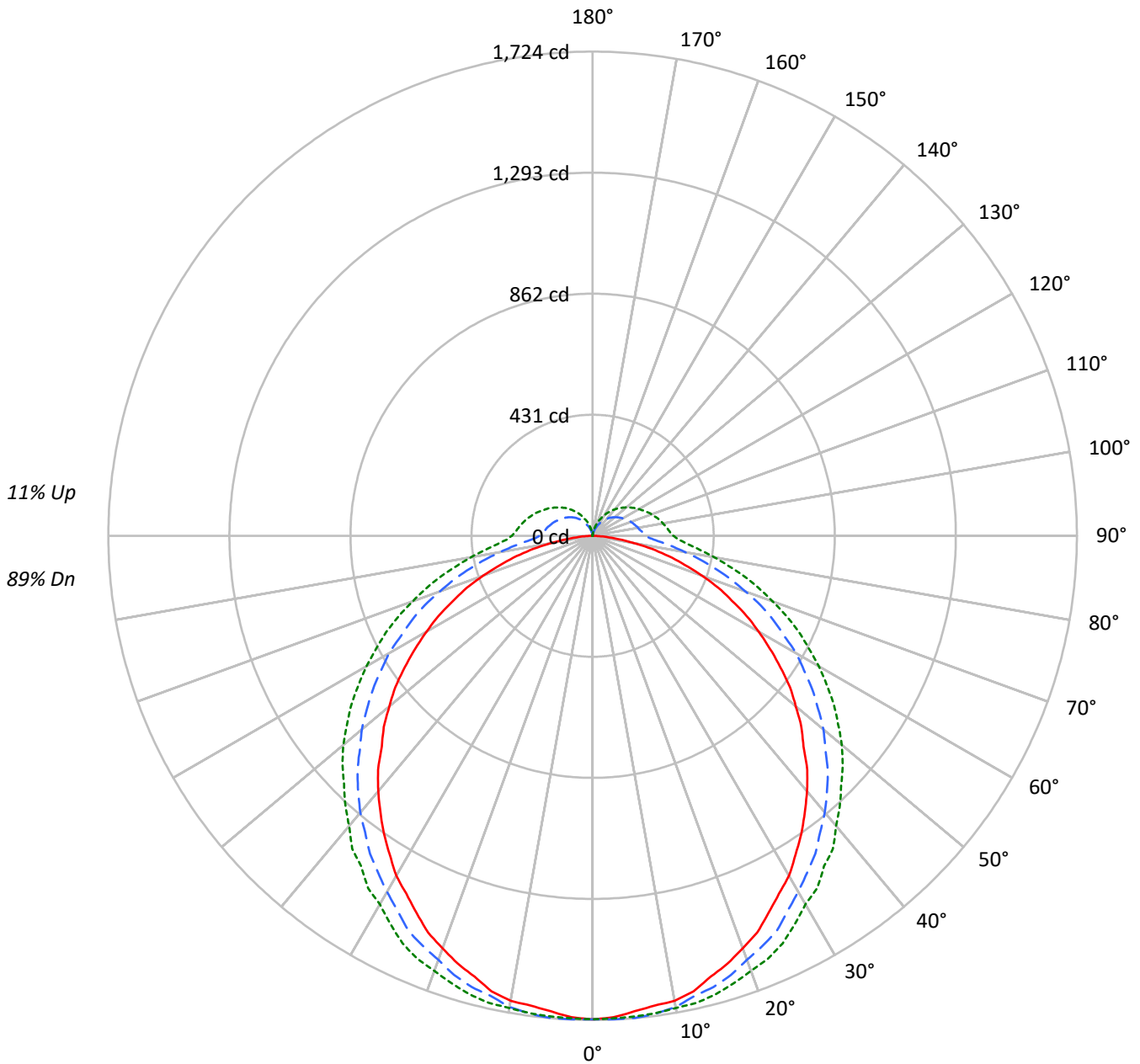
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6009.0 lumens
Efficiency: N/A
Efficacy: 122.6 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): 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					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	0					
RCR																										
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				89				
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72				72				
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59				59				
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49				49				
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42				42				
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36				36				
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31				31				
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27				27				
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24				24				
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22				22				
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20				20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10860	10860	10860
5°	10732	10719	10636
10°	10709	10525	10453
15°	10519	10289	10319
20°	10366	10027	10106
25°	10161	9847	9934
30°	9995	9521	9590
35°	9754	9289	9352
40°	9519	9021	9110
45°	9170	8747	8854
50°	8921	8437	8670
55°	8578	8103	8400
60°	8153	7761	8076
65°	7635	7335	7758
70°	7003	6793	7312
75°	6088	6210	6914
80°	4604	5559	6432
85°	2610	5109	6185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	2.7
10°-20°	468.4	7.8
20°-30°	710.4	11.8
30°-40°	859.9	14.3
40°-50°	905.3	15.1
50°-60°	843.2	14.0
60°-70°	687.8	11.4
70°-80°	463.7	7.7
80°-90°	249.2	4.1
90°-100°	172.7	2.9
100°-110°	147.9	2.5
110°-120°	120.6	2.0
120°-130°	91.7	1.5
130°-140°	63.5	1.1
140°-150°	37.9	0.6
150°-160°	17.6	0.3
160°-170°	5.2	0.1
170°-180°	0.5	0.0
0°-30°	1342.2	22.3
0°-40°	2202.1	36.6
0°-60°	3950.6	65.7
0°-90°	5351.4	89.1
90°-120°	441.2	7.3
90°-150°	634.3	10.6
90°-180°	658.0	11.0
0°-180°	6009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1700	1718	1724	1724	1718	162
15°	1625	1643	1663	1678	1691	459
25°	1482	1511	1552	1566	1601	684
35°	1296	1327	1382	1422	1436	810
45°	1061	1112	1184	1235	1252	823
55°	816	875	955	1016	1048	730
65°	547	615	710	780	811	544
75°	280	353	452	525	560	296
85°	49	135	238	313	340	62
90°	2	86	187	260	287	3
95°	0	79	176	243	269	0
105°	0	70	154	216	240	0
115°	2	60	134	187	207	2
125°	2	49	113	157	174	2
135°	2	38	92	126	141	1
145°	4	26	66	93	104	2
155°	4	15	38	60	66	2
165°	4	7	16	26	31	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°	1721.8	1721.8	1721.8	1721.8	1721.8
2.5°	1716.3	1718.2	1723.7	1729.1	1720.0
5°	1699.9	1718.2	1723.7	1723.7	1718.2
7.5°	1687.1	1703.5	1716.3	1712.7	1714.5
10°	1681.6	1690.7	1703.5	1712.7	1707.2
12.5°	1661.4	1666.9	1677.9	1692.6	1703.5
15°	1624.9	1643.1	1663.3	1677.9	1690.7
17.5°	1597.4	1613.9	1639.5	1652.3	1670.6
20°	1562.6	1580.9	1606.6	1634.0	1648.6
22.5°	1529.7	1546.2	1580.9	1599.2	1630.3
25°	1482.1	1511.4	1551.7	1566.3	1601.1
27.5°	1436.4	1469.3	1504.1	1544.3	1559.0
30°	1398.0	1421.7	1463.8	1498.6	1515.1
32.5°	1344.9	1377.8	1421.7	1463.8	1487.6
35°	1295.5	1326.6	1381.5	1421.7	1436.4
37.5°	1240.6	1275.4	1330.3	1377.8	1405.3
40°	1187.5	1226.0	1286.3	1332.1	1348.6
42.5°	1130.8	1171.1	1235.1	1288.2	1302.8
45°	1061.3	1112.5	1183.9	1235.1	1251.6
47.5°	1008.2	1055.8	1123.5	1183.9	1207.7
50°	944.2	997.2	1072.3	1127.1	1158.3
52.5°	885.6	935.0	1011.9	1064.9	1101.5
55°	816.1	874.6	955.1	1015.5	1048.5
57.5°	748.4	808.8	892.9	955.1	988.1
60°	682.5	744.7	836.2	898.4	929.5
62.5°	618.5	684.3	766.7	841.7	867.3
65°	547.1	614.8	710.0	779.5	810.6
67.5°	484.9	545.3	647.7	711.8	746.6
70°	413.5	484.9	578.2	651.4	680.7
72.5°	344.0	419.0	516.0	591.0	620.3
75°	280.0	353.1	452.0	525.1	559.9
77.5°	215.9	290.9	391.6	466.6	495.9
80°	150.0	232.4	333.0	408.0	439.1
82.5°	95.1	179.3	283.6	355.0	384.3
85°	49.4	135.4	237.9	312.9	340.3
87.5°	16.5	102.5	204.9	278.1	305.6
90°	1.8	86.0	186.6	259.8	287.3
92.5°	0.0	82.3	181.1	250.7	276.3
95°	0.0	78.7	175.7	243.4	269.0
97.5°	0.0	76.9	168.3	236.0	261.7
100°	0.0	73.2	164.7	230.6	254.3
102.5°	0.0	71.4	159.2	223.2	247.0
105°	0.0	69.5	153.7	215.9	239.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	62.2	139.1	195.8	215.9
115°	1.8	60.4	133.6	186.6	206.8
117.5°	1.8	56.7	129.9	179.3	197.6
120°	1.8	54.9	124.4	173.8	190.3
122.5°	1.8	53.1	118.9	164.7	183.0
125°	1.8	49.4	113.4	157.4	173.8
127.5°	1.8	45.7	108.0	150.0	164.7
130°	1.8	43.9	102.5	140.9	157.4
132.5°	1.8	40.3	97.0	135.4	148.2
135°	1.8	38.4	91.5	126.3	140.9
137.5°	1.8	34.8	86.0	118.9	131.7
140°	1.8	31.1	78.7	111.6	122.6
142.5°	1.8	29.3	73.2	102.5	113.4
145°	3.7	25.6	65.9	93.3	104.3
147.5°	3.7	23.8	58.6	86.0	95.1
150°	3.7	20.1	51.2	76.9	86.0
152.5°	3.7	18.3	45.7	67.7	76.9
155°	3.7	14.6	38.4	60.4	65.9
157.5°	3.7	12.8	32.9	51.2	58.6
160°	3.7	11.0	27.4	43.9	49.4
162.5°	3.7	9.1	22.0	34.8	40.3
165°	3.7	7.3	16.5	25.6	31.1
167.5°	3.7	5.5	12.8	18.3	23.8
170°	3.7	5.5	9.1	12.8	18.3
172.5°	3.7	3.7	5.5	7.3	11.0
175°	3.7	3.7	3.7	3.7	3.7
177.5°	3.7	3.7	1.8	1.8	0.0
180°	1.8	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	65.9	150.0	208.6	230.6
110°	1.8	64.0	144.6	201.3	223.2



(END OF REPORT)