

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: P709849

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709849
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-3500K-HI
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

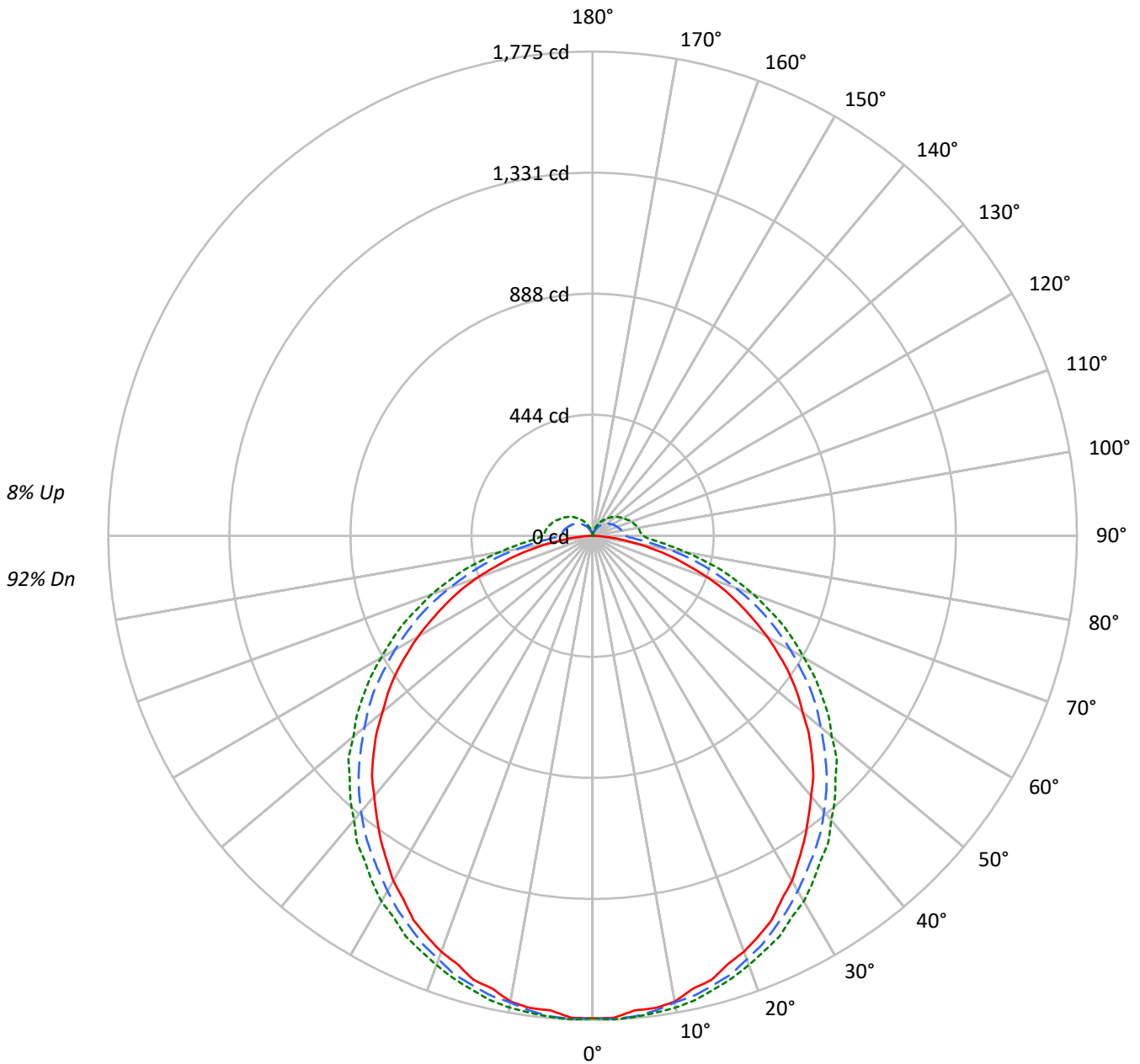
Lumens per Lamp: N/A
Luminaire Lumens: 5797.1 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

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°	6184	6184	6184
5°	6105	6113	6105
10°	6104	5980	6016
15°	6026	5894	5903
20°	5936	5773	5796
25°	5867	5641	5705
30°	5745	5506	5588
35°	5603	5377	5431
40°	5473	5243	5298
45°	5370	5090	5164
50°	5178	4901	4998
55°	5033	4731	4840
60°	4785	4478	4617
65°	4474	4206	4406
70°	4078	3828	4103
75°	3490	3396	3752
80°	2580	2814	3232
85°	1466	2264	2852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	2.9
10°-20°	481.1	8.3
20°-30°	731.3	12.6
30°-40°	885.9	15.3
40°-50°	931.4	16.1
50°-60°	861.0	14.9
60°-70°	685.2	11.8
70°-80°	431.3	7.4
80°-90°	186.9	3.2
90°-100°	110.8	1.9
100°-110°	97.6	1.7
110°-120°	80.6	1.4
120°-130°	61.8	1.1
130°-140°	43.1	0.7
140°-150°	25.5	0.4
150°-160°	12.0	0.2
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	1380.2	23.8
0°-40°	2266.0	39.1
0°-60°	4058.5	70.0
0°-90°	5361.9	92.5
90°-120°	289.0	5.0
90°-150°	419.3	7.2
90°-180°	435.0	7.5
0°-180°	5797.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1747	1762	1769	1767	1771	167
15°	1686	1684	1706	1717	1721	474
25°	1554	1561	1583	1613	1620	714
35°	1355	1383	1416	1452	1455	848
45°	1136	1169	1212	1247	1258	875
55°	880	923	973	1015	1026	784
65°	594	644	702	748	767	588
75°	303	358	418	466	490	319
85°	56	106	171	219	238	68
90°	2	54	119	165	184	3
95°	0	48	111	158	174	0
105°	0	45	102	143	160	0
115°	0	39	89	126	139	0
125°	2	32	76	108	119	1
135°	2	26	61	85	96	1
145°	0	17	45	63	70	1
155°	2	9	28	41	46	1
165°	2	4	11	19	22	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°	1769.0	1769.0	1769.0	1769.0	1769.0
2.5°	1769.0	1756.0	1772.7	1770.9	1774.6
5°	1746.7	1761.6	1769.0	1767.2	1770.9
7.5°	1746.7	1746.7	1756.0	1761.6	1763.4
10°	1733.7	1741.2	1737.5	1746.7	1756.0
12.5°	1700.3	1720.7	1726.3	1746.7	1743.0
15°	1685.5	1683.6	1705.9	1717.0	1720.7
17.5°	1646.5	1661.3	1685.5	1696.6	1700.3
20°	1622.4	1637.2	1652.1	1676.2	1674.3
22.5°	1589.0	1601.9	1622.4	1644.6	1646.5
25°	1553.7	1561.1	1583.4	1613.1	1620.5
27.5°	1501.7	1525.8	1546.3	1585.2	1577.8
30°	1460.9	1477.6	1503.6	1540.7	1548.1
32.5°	1407.0	1440.5	1459.0	1492.4	1503.6
35°	1355.1	1382.9	1416.3	1451.6	1455.3
37.5°	1299.4	1338.4	1371.8	1408.9	1418.2
40°	1245.5	1279.0	1319.8	1353.2	1360.6
42.5°	1197.3	1228.8	1267.8	1310.5	1314.2
45°	1136.0	1169.4	1212.1	1247.4	1258.5
47.5°	1074.8	1113.8	1150.9	1193.6	1214.0
50°	1004.2	1048.8	1091.5	1134.2	1143.5
52.5°	944.8	982.0	1033.9	1076.6	1091.5
55°	879.9	922.6	972.7	1015.4	1026.5
57.5°	807.5	848.3	902.1	948.5	965.3
60°	738.8	783.3	837.2	883.6	894.7
62.5°	664.5	714.7	768.5	816.8	829.7
65°	594.0	644.1	701.7	748.1	766.6
67.5°	525.3	573.6	631.1	677.5	692.4
70°	449.2	497.5	556.9	608.9	627.4
72.5°	371.3	423.2	484.5	540.2	555.0
75°	302.6	358.3	417.7	465.9	490.1
77.5°	232.0	280.3	349.0	395.4	413.9
80°	161.5	217.2	280.3	332.3	347.1
82.5°	104.0	157.8	222.8	269.2	287.7
85°	55.7	105.8	170.8	219.0	237.6
87.5°	18.6	70.5	135.5	181.9	202.3
90°	1.9	53.8	118.8	165.2	183.8
92.5°	0.0	50.1	113.2	157.8	178.2
95°	0.0	48.3	111.4	157.8	174.5
97.5°	0.0	48.3	109.5	155.9	172.6
100°	0.0	46.4	107.7	150.4	168.9
102.5°	0.0	44.6	105.8	148.5	165.2
105°	0.0	44.6	102.1	142.9	159.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.0	92.8	131.8	146.6
115°	0.0	39.0	89.1	126.2	139.2
117.5°	0.0	37.1	87.2	122.5	133.7
120°	0.0	35.3	83.5	116.9	129.9
122.5°	0.0	33.4	79.8	111.4	124.4
125°	1.9	31.6	76.1	107.7	118.8
127.5°	1.9	29.7	72.4	102.1	113.2
130°	1.9	29.7	68.7	96.5	107.7
132.5°	1.9	27.8	65.0	91.0	102.1
135°	1.9	26.0	61.3	85.4	96.5
137.5°	1.9	24.1	57.5	81.7	89.1
140°	0.0	22.3	53.8	74.3	83.5
142.5°	1.9	18.6	48.3	70.5	76.1
145°	0.0	16.7	44.6	63.1	70.5
147.5°	1.9	14.9	40.8	57.5	65.0
150°	1.9	13.0	37.1	52.0	59.4
152.5°	1.9	11.1	31.6	46.4	52.0
155°	1.9	9.3	27.8	40.8	46.4
157.5°	1.9	7.4	22.3	35.3	39.0
160°	1.9	7.4	18.6	29.7	33.4
162.5°	1.9	5.6	14.9	24.1	27.8
165°	1.9	3.7	11.1	18.6	22.3
167.5°	1.9	3.7	7.4	14.9	16.7
170°	1.9	3.7	5.6	9.3	11.1
172.5°	1.9	1.9	3.7	5.6	7.4
175°	1.9	1.9	1.9	3.7	3.7
177.5°	1.9	1.9	1.9	1.9	1.9
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	42.7	98.4	137.4	155.9
110°	0.0	40.8	96.5	133.7	150.4



(END OF REPORT)