

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: P709779

Luminaire Tested: **8AWS-L3C3-SQR-UNV-3500K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709779  
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: 8AWS-L3C3-SQR-UNV-3500K-MID  
Description: 8foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,  
3500K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

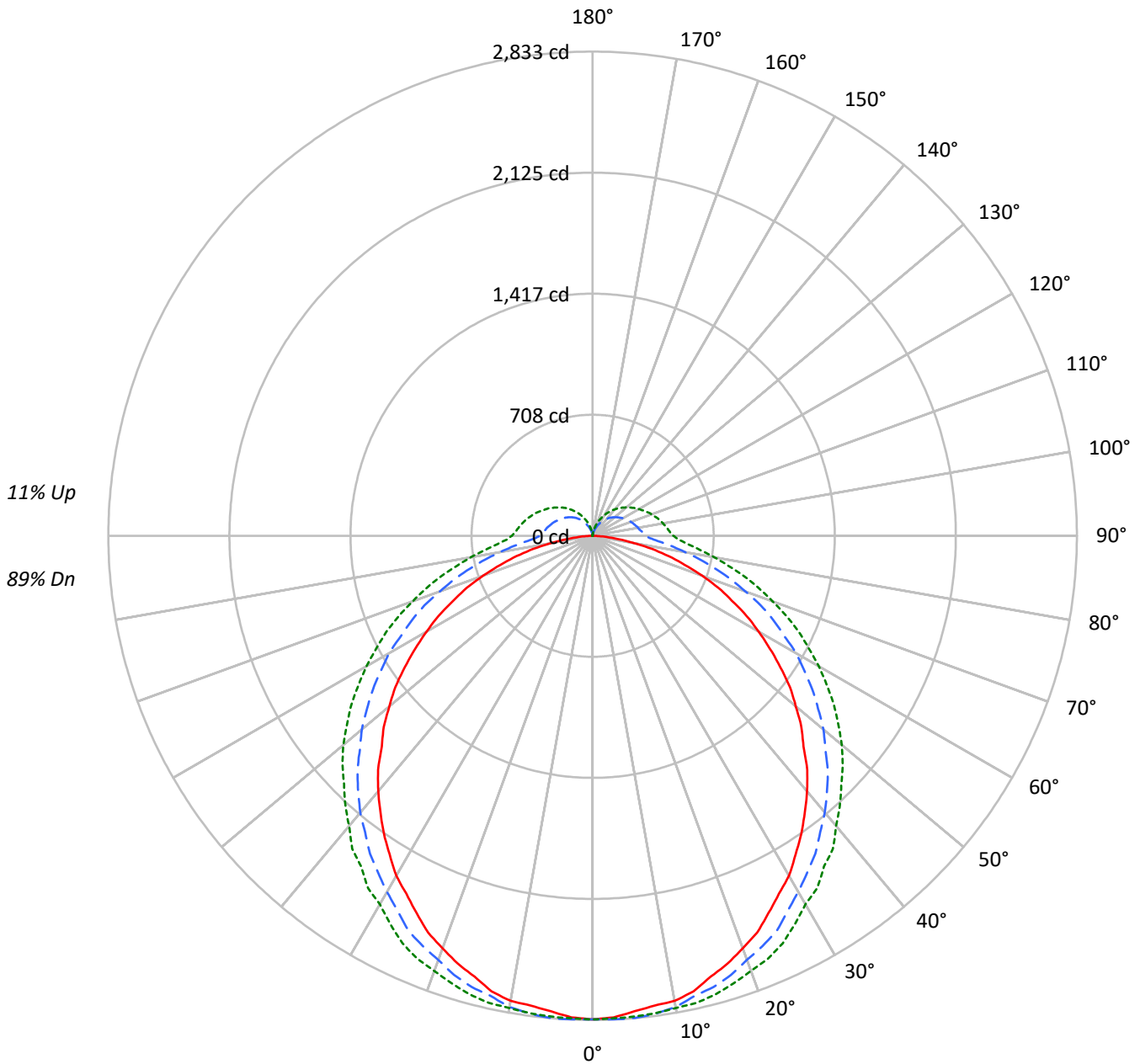
Lumens per Lamp: N/A  
Luminaire Lumens: 9875.0 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 73  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	8923	8923	8923
5°	8831	8816	8739
10°	8824	8665	8589
15°	8680	8479	8479
20°	8568	8271	8304
25°	8412	8130	8162
30°	8289	7870	7880
35°	8105	7686	7684
40°	7927	7474	7485
45°	7655	7255	7275
50°	7468	7009	7124
55°	7207	6744	6902
60°	6881	6472	6636
65°	6484	6131	6374
70°	6000	5696	6008
75°	5287	5228	5681
80°	4102	4708	5286
85°	2480	4367	5083



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.5	2.7
10°-20°	769.8	7.8
20°-30°	1167.5	11.8
30°-40°	1413.1	14.3
40°-50°	1487.7	15.1
50°-60°	1385.7	14.0
60°-70°	1130.3	11.4
70°-80°	762.1	7.7
80°-90°	409.6	4.1
90°-100°	283.9	2.9
100°-110°	243.0	2.5
110°-120°	198.2	2.0
120°-130°	150.7	1.5
130°-140°	104.3	1.1
140°-150°	62.2	0.6
150°-160°	29.0	0.3
160°-170°	8.5	0.1
170°-180°	0.9	0.0
0°-30°	2205.8	22.3
0°-40°	3618.9	36.6
0°-60°	6492.3	65.7
0°-90°	8794.3	89.1
90°-120°	725.1	7.3
90°-150°	1042.3	10.6
90°-180°	1081.0	10.9
0°-180°	9875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2830	2830	2830	2830	2830	
5°	2794	2824	2833	2833	2824	266
15°	2670	2700	2733	2757	2778	755
25°	2436	2484	2550	2574	2631	1124
35°	2129	2180	2270	2336	2360	1331
45°	1744	1828	1946	2030	2057	1353
55°	1341	1437	1570	1669	1723	1199
65°	899	1010	1167	1281	1332	894
75°	460	580	743	863	920	486
85°	81	222	391	514	559	102
90°	3	141	307	427	472	5
95°	0	129	289	400	442	0
105°	0	114	253	355	394	0
115°	3	99	220	307	340	3
125°	3	81	186	259	286	3
135°	3	63	150	208	232	2
145°	6	42	108	153	171	3
155°	6	24	63	99	108	3
165°	6	12	27	42	51	2
175°	6	6	6	6	6	1
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2829.6	2829.6	2829.6	2829.6	2829.6
2.5°	2820.6	2823.6	2832.6	2841.6	2826.6
5°	2793.5	2823.6	2832.6	2832.6	2823.6
7.5°	2772.5	2799.5	2820.6	2814.6	2817.6
10°	2763.4	2778.5	2799.5	2814.6	2805.5
12.5°	2730.4	2739.4	2757.4	2781.5	2799.5
15°	2670.2	2700.3	2733.4	2757.4	2778.5
17.5°	2625.1	2652.2	2694.3	2715.3	2745.4
20°	2568.0	2598.1	2640.2	2685.3	2709.3
22.5°	2513.9	2540.9	2598.1	2628.1	2679.3
25°	2435.7	2483.8	2549.9	2574.0	2631.1
27.5°	2360.5	2414.6	2471.8	2537.9	2562.0
30°	2297.4	2336.5	2405.6	2462.7	2489.8
32.5°	2210.2	2264.3	2336.5	2405.6	2444.7
35°	2129.0	2180.1	2270.3	2336.5	2360.5
37.5°	2038.8	2095.9	2186.1	2264.3	2309.4
40°	1951.6	2014.7	2113.9	2189.1	2216.2
42.5°	1858.3	1924.5	2029.7	2116.9	2141.0
45°	1744.1	1828.3	1945.5	2029.7	2056.8
47.5°	1656.9	1735.0	1846.3	1945.5	1984.6
50°	1551.6	1638.8	1762.1	1852.3	1903.4
52.5°	1455.4	1536.6	1662.9	1750.1	1810.2
55°	1341.1	1437.4	1569.7	1668.9	1723.0
57.5°	1229.9	1329.1	1467.4	1569.7	1623.8
60°	1121.6	1223.9	1374.2	1476.4	1527.6
62.5°	1016.4	1124.6	1259.9	1383.2	1425.3
65°	899.1	1010.4	1166.7	1281.0	1332.1
67.5°	796.9	896.1	1064.5	1169.7	1226.9
70°	679.6	796.9	950.2	1070.5	1118.6
72.5°	565.3	688.6	848.0	971.3	1019.4
75°	460.1	580.4	742.7	863.0	920.1
77.5°	354.8	478.1	643.5	766.8	814.9
80°	246.6	381.9	547.3	670.6	721.7
82.5°	156.4	294.7	466.1	583.4	631.5
85°	81.2	222.5	390.9	514.2	559.3
87.5°	27.1	168.4	336.8	457.1	502.2
90°	3.0	141.3	306.7	427.0	472.1
92.5°	0.0	135.3	297.7	412.0	454.1
95°	0.0	129.3	288.7	399.9	442.0
97.5°	0.0	126.3	276.6	387.9	430.0
100°	0.0	120.3	270.6	378.9	418.0
102.5°	0.0	117.3	261.6	366.9	405.9
105°	0.0	114.3	252.6	354.8	393.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	102.2	228.5	321.8	354.8
115°	3.0	99.2	219.5	306.7	339.8
117.5°	3.0	93.2	213.5	294.7	324.8
120°	3.0	90.2	204.5	285.7	312.7
122.5°	3.0	87.2	195.5	270.6	300.7
125°	3.0	81.2	186.4	258.6	285.7
127.5°	3.0	75.2	177.4	246.6	270.6
130°	3.0	72.2	168.4	231.5	258.6
132.5°	3.0	66.2	159.4	222.5	243.6
135°	3.0	63.1	150.4	207.5	231.5
137.5°	3.0	57.1	141.3	195.5	216.5
140°	3.0	51.1	129.3	183.4	201.5
142.5°	3.0	48.1	120.3	168.4	186.4
145°	6.0	42.1	108.3	153.4	171.4
147.5°	6.0	39.1	96.2	141.3	156.4
150°	6.0	33.1	84.2	126.3	141.3
152.5°	6.0	30.1	75.2	111.3	126.3
155°	6.0	24.1	63.1	99.2	108.3
157.5°	6.0	21.0	54.1	84.2	96.2
160°	6.0	18.0	45.1	72.2	81.2
162.5°	6.0	15.0	36.1	57.1	66.2
165°	6.0	12.0	27.1	42.1	51.1
167.5°	6.0	9.0	21.0	30.1	39.1
170°	6.0	9.0	15.0	21.0	30.1
172.5°	6.0	6.0	9.0	12.0	18.0
175°	6.0	6.0	6.0	6.0	6.0
177.5°	6.0	6.0	3.0	3.0	0.0
180°	3.0	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	108.3	246.6	342.8	378.9
110°	3.0	105.2	237.6	330.8	366.9



(END OF REPORT)