

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: P709805

Luminaire Tested: **8AWS-L3C39-SQR-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709805
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-L3C39-SQR-UNV-3500K-LOW
Description: 8foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

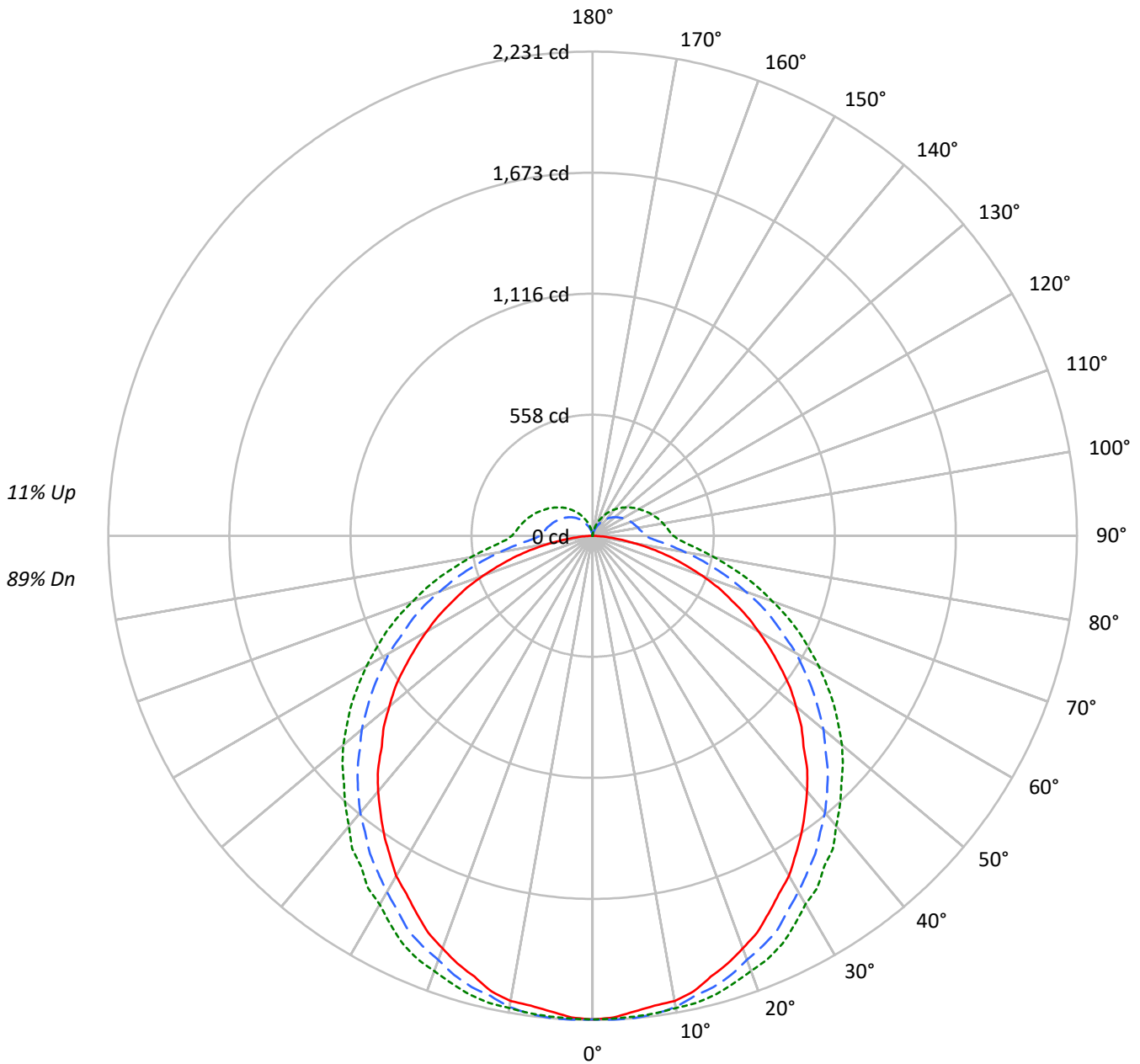
Lumens per Lamp: N/A
Luminaire Lumens: 7778.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 56
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	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°	7028	7028	7028
5°	6956	6944	6883
10°	6950	6825	6765
15°	6837	6678	6678
20°	6748	6514	6541
25°	6626	6404	6429
30°	6528	6199	6207
35°	6384	6054	6052
40°	6243	5887	5896
45°	6029	5715	5730
50°	5882	5520	5611
55°	5677	5311	5436
60°	5420	5097	5227
65°	5108	4829	5021
70°	4726	4486	4732
75°	4164	4118	4474
80°	3231	3709	4163
85°	1951	3439	4003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.4	2.7
10°-20°	606.4	7.8
20°-30°	919.6	11.8
30°-40°	1113.0	14.3
40°-50°	1171.8	15.1
50°-60°	1091.4	14.0
60°-70°	890.3	11.4
70°-80°	600.3	7.7
80°-90°	322.6	4.1
90°-100°	223.6	2.9
100°-110°	191.4	2.5
110°-120°	156.1	2.0
120°-130°	118.7	1.5
130°-140°	82.2	1.1
140°-150°	49.0	0.6
150°-160°	22.8	0.3
160°-170°	6.7	0.1
170°-180°	0.7	0.0
0°-30°	1737.4	22.3
0°-40°	2850.4	36.6
0°-60°	5113.6	65.7
0°-90°	6926.8	89.1
90°-120°	571.1	7.3
90°-150°	821.0	10.6
90°-180°	851.0	10.9
0°-180°	7778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2200	2224	2231	2231	2224	209
15°	2103	2127	2153	2172	2188	594
25°	1918	1956	2008	2027	2072	885
35°	1677	1717	1788	1840	1859	1048
45°	1374	1440	1532	1599	1620	1066
55°	1056	1132	1236	1314	1357	944
65°	708	796	919	1009	1049	704
75°	362	457	585	680	725	383
85°	64	175	308	405	440	80
90°	2	111	242	336	372	4
95°	0	102	227	315	348	0
105°	0	90	199	280	310	0
115°	2	78	173	242	268	2
125°	2	64	147	204	225	2
135°	2	50	118	163	182	2
145°	5	33	85	121	135	2
155°	5	19	50	78	85	2
165°	5	10	21	33	40	1
175°	5	5	5	5	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2228.7	2228.7	2228.7	2228.7	2228.7
2.5°	2221.6	2224.0	2231.1	2238.2	2226.4
5°	2200.3	2224.0	2231.1	2231.1	2224.0
7.5°	2183.7	2205.0	2221.6	2216.9	2219.2
10°	2176.6	2188.5	2205.0	2216.9	2209.8
12.5°	2150.6	2157.7	2171.9	2190.8	2205.0
15°	2103.2	2126.9	2152.9	2171.9	2188.5
17.5°	2067.7	2089.0	2122.1	2138.7	2162.4
20°	2022.7	2046.4	2079.5	2115.0	2134.0
22.5°	1980.0	2001.4	2046.4	2070.0	2110.3
25°	1918.5	1956.3	2008.5	2027.4	2072.4
27.5°	1859.2	1901.9	1946.9	1999.0	2017.9
30°	1809.5	1840.3	1894.8	1939.8	1961.1
32.5°	1740.8	1783.5	1840.3	1894.8	1925.6
35°	1676.9	1717.1	1788.2	1840.3	1859.2
37.5°	1605.8	1650.8	1721.9	1783.5	1819.0
40°	1537.1	1586.9	1665.0	1724.2	1745.6
42.5°	1463.7	1515.8	1598.7	1667.4	1686.3
45°	1373.7	1440.0	1532.4	1598.7	1620.0
47.5°	1305.0	1366.6	1454.2	1532.4	1563.2
50°	1222.1	1290.8	1387.9	1459.0	1499.2
52.5°	1146.3	1210.3	1309.8	1378.4	1425.8
55°	1056.3	1132.1	1236.3	1314.5	1357.1
57.5°	968.7	1046.9	1155.8	1236.3	1279.0
60°	883.4	964.0	1082.4	1162.9	1203.2
62.5°	800.5	885.8	992.4	1089.5	1122.7
65°	708.2	795.8	919.0	1009.0	1049.2
67.5°	627.6	705.8	838.4	921.3	966.3
70°	535.3	627.6	748.4	843.2	881.1
72.5°	445.3	542.4	667.9	765.0	802.9
75°	362.4	457.1	585.0	679.7	724.7
77.5°	279.5	376.6	506.9	604.0	641.9
80°	194.2	300.8	431.1	528.2	568.4
82.5°	123.2	232.1	367.1	459.5	497.4
85°	63.9	175.3	307.9	405.0	440.5
87.5°	21.3	132.6	265.3	360.0	395.5
90°	2.4	111.3	241.6	336.3	371.8
92.5°	0.0	106.6	234.5	324.5	357.6
95°	0.0	101.8	227.4	315.0	348.2
97.5°	0.0	99.5	217.9	305.5	338.7
100°	0.0	94.7	213.2	298.4	329.2
102.5°	0.0	92.4	206.1	289.0	319.7
105°	0.0	90.0	199.0	279.5	310.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	80.5	180.0	253.4	279.5
115°	2.4	78.2	172.9	241.6	267.6
117.5°	2.4	73.4	168.2	232.1	255.8
120°	2.4	71.1	161.1	225.0	246.3
122.5°	2.4	68.7	154.0	213.2	236.8
125°	2.4	63.9	146.8	203.7	225.0
127.5°	2.4	59.2	139.7	194.2	213.2
130°	2.4	56.8	132.6	182.4	203.7
132.5°	2.4	52.1	125.5	175.3	191.8
135°	2.4	49.7	118.4	163.4	182.4
137.5°	2.4	45.0	111.3	154.0	170.5
140°	2.4	40.3	101.8	144.5	158.7
142.5°	2.4	37.9	94.7	132.6	146.8
145°	4.7	33.2	85.3	120.8	135.0
147.5°	4.7	30.8	75.8	111.3	123.2
150°	4.7	26.1	66.3	99.5	111.3
152.5°	4.7	23.7	59.2	87.6	99.5
155°	4.7	18.9	49.7	78.2	85.3
157.5°	4.7	16.6	42.6	66.3	75.8
160°	4.7	14.2	35.5	56.8	63.9
162.5°	4.7	11.8	28.4	45.0	52.1
165°	4.7	9.5	21.3	33.2	40.3
167.5°	4.7	7.1	16.6	23.7	30.8
170°	4.7	7.1	11.8	16.6	23.7
172.5°	4.7	4.7	7.1	9.5	14.2
175°	4.7	4.7	4.7	4.7	4.7
177.5°	4.7	4.7	2.4	2.4	0.0
180°	2.4	2.4	2.4	2.4	2.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	85.3	194.2	270.0	298.4
110°	2.4	82.9	187.1	260.5	289.0



(END OF REPORT)