

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: P709730

Luminaire Tested: **4AWS-L3C3-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709730
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-5000K-LOW
Description: 4foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

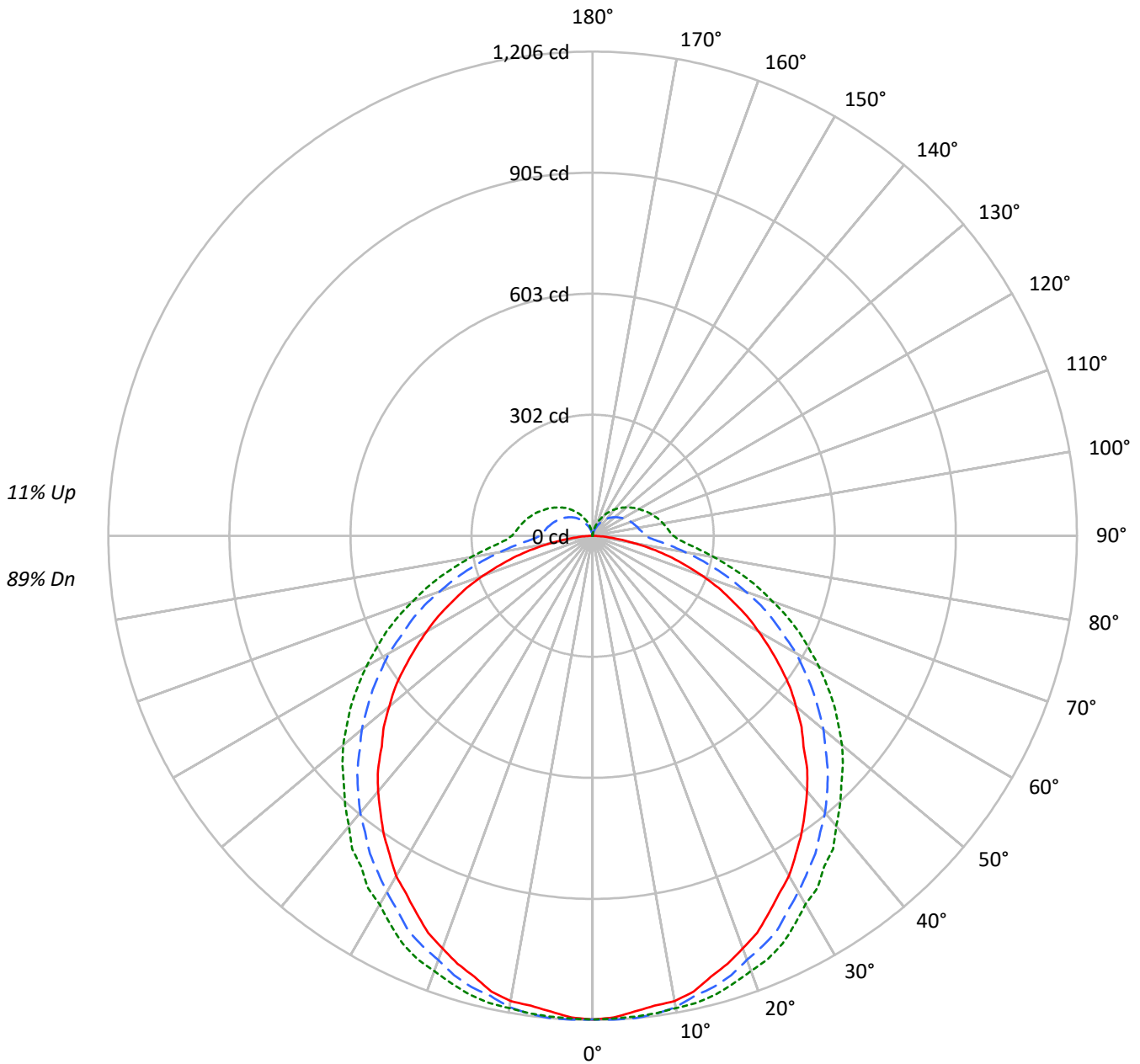
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4205.0 lumens
Efficiency: N/A
Efficacy: 131.4 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): 32
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°	7600	7600	7600
5°	7510	7501	7442
10°	7493	7366	7315
15°	7361	7200	7221
20°	7254	7016	7072
25°	7111	6890	6952
30°	6994	6663	6711
35°	6826	6500	6544
40°	6661	6313	6375
45°	6417	6121	6196
50°	6242	5903	6067
55°	6003	5671	5878
60°	5705	5431	5652
65°	5344	5132	5428
70°	4901	4753	5116
75°	4260	4346	4838
80°	3223	3890	4502
85°	1828	3576	4329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	2.7
10°-20°	327.8	7.8
20°-30°	497.2	11.8
30°-40°	601.7	14.3
40°-50°	633.5	15.1
50°-60°	590.1	14.0
60°-70°	481.3	11.4
70°-80°	324.5	7.7
80°-90°	174.4	4.1
90°-100°	120.9	2.9
100°-110°	103.5	2.5
110°-120°	84.4	2.0
120°-130°	64.2	1.5
130°-140°	44.4	1.1
140°-150°	26.5	0.6
150°-160°	12.3	0.3
160°-170°	3.6	0.1
170°-180°	0.4	0.0
0°-30°	939.3	22.3
0°-40°	1541.0	36.6
0°-60°	2764.6	65.7
0°-90°	3744.8	89.1
90°-120°	308.8	7.3
90°-150°	443.9	10.6
90°-180°	460.0	10.9
0°-180°	4205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1190	1202	1206	1206	1202	113
15°	1137	1150	1164	1174	1183	321
25°	1037	1058	1086	1096	1120	478
35°	907	928	967	995	1005	567
45°	743	778	828	864	876	576
55°	571	612	668	711	734	511
65°	383	430	497	546	567	381
75°	196	247	316	368	392	207
85°	35	95	166	219	238	43
90°	1	60	131	182	201	2
95°	0	55	123	170	188	0
105°	0	49	108	151	168	0
115°	1	42	94	131	145	1
125°	1	35	79	110	122	1
135°	1	27	64	88	99	1
145°	3	18	46	65	73	1
155°	3	10	27	42	46	1
165°	3	5	12	18	22	1
175°	3	3	3	3	3	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1204.9	1204.9	1204.9	1204.9	1204.9
2.5°	1201.1	1202.3	1206.2	1210.0	1203.6
5°	1189.5	1202.3	1206.2	1206.2	1202.3
7.5°	1180.6	1192.1	1201.1	1198.5	1199.8
10°	1176.7	1183.1	1192.1	1198.5	1194.7
12.5°	1162.7	1166.5	1174.2	1184.4	1192.1
15°	1137.0	1149.8	1163.9	1174.2	1183.1
17.5°	1117.8	1129.4	1147.3	1156.3	1169.1
20°	1093.5	1106.3	1124.2	1143.4	1153.7
22.5°	1070.5	1082.0	1106.3	1119.1	1140.9
25°	1037.2	1057.7	1085.8	1096.1	1120.4
27.5°	1005.2	1028.2	1052.5	1080.7	1090.9
30°	978.3	994.9	1024.4	1048.7	1060.2
32.5°	941.1	964.2	994.9	1024.4	1041.0
35°	906.6	928.3	966.7	994.9	1005.2
37.5°	868.1	892.5	930.9	964.2	983.4
40°	831.0	857.9	900.2	932.2	943.7
42.5°	791.3	819.5	864.3	901.4	911.7
45°	742.7	778.5	828.5	864.3	875.8
47.5°	705.5	738.8	786.2	828.5	845.1
50°	660.7	697.8	750.3	788.8	810.5
52.5°	619.7	654.3	708.1	745.2	770.8
55°	571.1	612.1	668.4	710.7	733.7
57.5°	523.7	566.0	624.9	668.4	691.4
60°	477.6	521.1	585.2	628.7	650.5
62.5°	432.8	478.9	536.5	589.0	606.9
65°	382.9	430.2	496.8	545.5	567.2
67.5°	339.3	381.6	453.3	498.1	522.4
70°	289.4	339.3	404.6	455.8	476.3
72.5°	240.7	293.2	361.1	413.6	434.1
75°	195.9	247.1	316.3	367.5	391.8
77.5°	151.1	203.6	274.0	326.5	347.0
80°	105.0	162.6	233.0	285.5	307.3
82.5°	66.6	125.5	198.5	248.4	268.9
85°	34.6	94.8	166.5	219.0	238.2
87.5°	11.5	71.7	143.4	194.6	213.8
90°	1.3	60.2	130.6	181.8	201.0
92.5°	0.0	57.6	126.8	175.4	193.3
95°	0.0	55.1	122.9	170.3	188.2
97.5°	0.0	53.8	117.8	165.2	183.1
100°	0.0	51.2	115.2	161.3	178.0
102.5°	0.0	49.9	111.4	156.2	172.9
105°	0.0	48.7	107.6	151.1	167.7



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CATALOG NUMBER: 4AWS-L3C3-SQR-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	43.5	97.3	137.0	151.1
115°	1.3	42.3	93.5	130.6	144.7
117.5°	1.3	39.7	90.9	125.5	138.3
120°	1.3	38.4	87.1	121.6	133.2
122.5°	1.3	37.1	83.2	115.2	128.0
125°	1.3	34.6	79.4	110.1	121.6
127.5°	1.3	32.0	75.5	105.0	115.2
130°	1.3	30.7	71.7	98.6	110.1
132.5°	1.3	28.2	67.9	94.8	103.7
135°	1.3	26.9	64.0	88.4	98.6
137.5°	1.3	24.3	60.2	83.2	92.2
140°	1.3	21.8	55.1	78.1	85.8
142.5°	1.3	20.5	51.2	71.7	79.4
145°	2.6	17.9	46.1	65.3	73.0
147.5°	2.6	16.6	41.0	60.2	66.6
150°	2.6	14.1	35.9	53.8	60.2
152.5°	2.6	12.8	32.0	47.4	53.8
155°	2.6	10.2	26.9	42.3	46.1
157.5°	2.6	9.0	23.0	35.9	41.0
160°	2.6	7.7	19.2	30.7	34.6
162.5°	2.6	6.4	15.4	24.3	28.2
165°	2.6	5.1	11.5	17.9	21.8
167.5°	2.6	3.8	9.0	12.8	16.6
170°	2.6	3.8	6.4	9.0	12.8
172.5°	2.6	2.6	3.8	5.1	7.7
175°	2.6	2.6	2.6	2.6	2.6
177.5°	2.6	2.6	1.3	1.3	0.0
180°	1.3	1.3	1.3	1.3	1.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	46.1	105.0	146.0	161.3
110°	1.3	44.8	101.2	140.9	156.2



(END OF REPORT)