

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: P709669

Luminaire Tested: **2AWS-L3C3-SQR-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709669
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: 2AWS-L3C3-SQR-UNV-3500K-HI
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

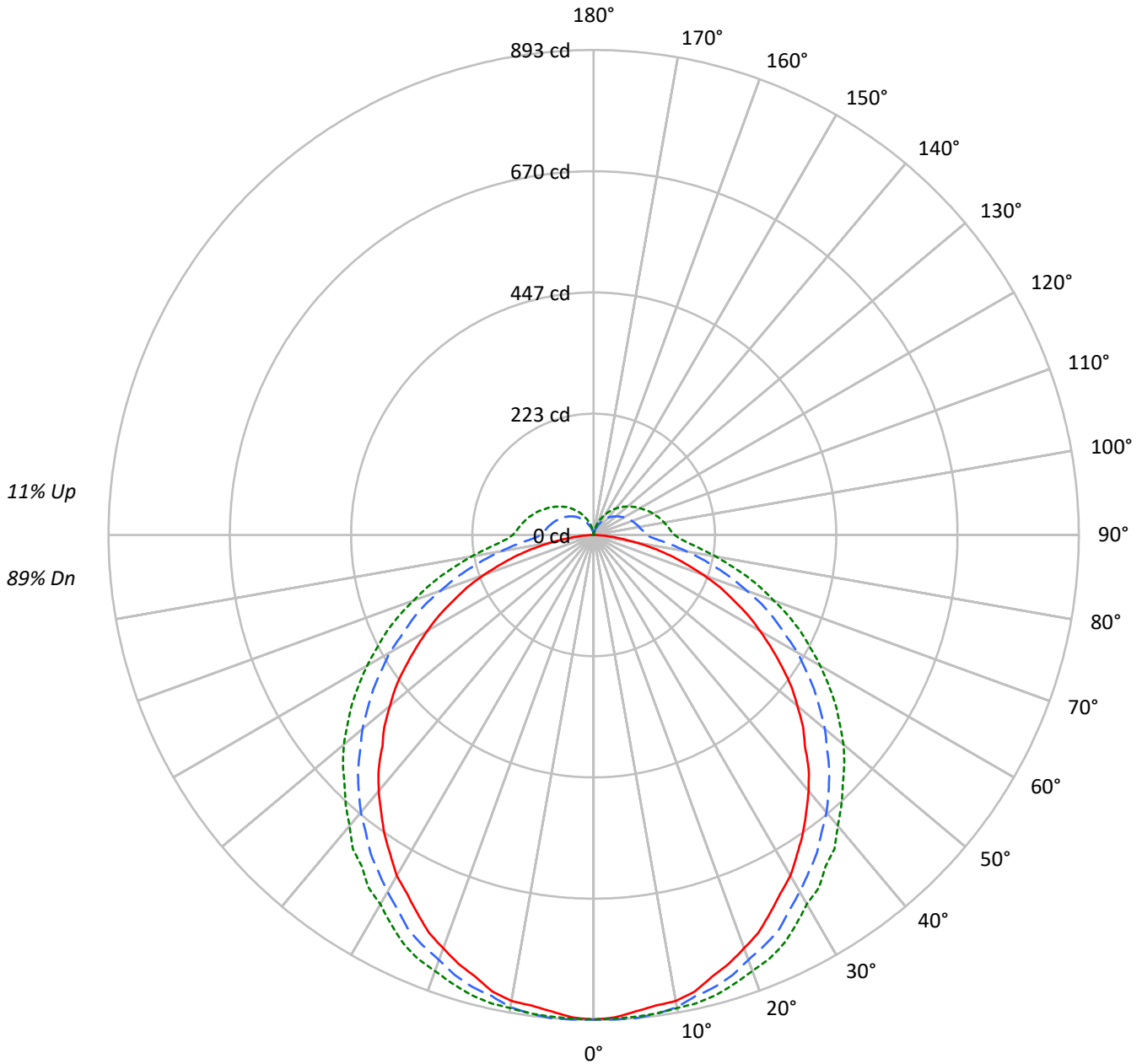
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3114.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 26
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								
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°	12210	12210	12210
5°	12027	12023	11958
10°	11960	11780	11752
15°	11708	11490	11602
20°	11499	11173	11363
25°	11230	10946	11169
30°	11002	10560	10782
35°	10691	10275	10515
40°	10382	9953	10243
45°	9946	9621	9955
50°	9613	9250	9747
55°	9170	8851	9444
60°	8631	8438	9080
65°	7979	7931	8723
70°	7188	7295	8220
75°	6079	6609	7774
80°	4386	5844	7234
85°	2230	5267	6956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	2.7
10°-20°	242.8	7.8
20°-30°	368.2	11.8
30°-40°	445.6	14.3
40°-50°	469.1	15.1
50°-60°	437.0	14.0
60°-70°	356.4	11.4
70°-80°	240.3	7.7
80°-90°	129.2	4.1
90°-100°	89.5	2.9
100°-110°	76.6	2.5
110°-120°	62.5	2.0
120°-130°	47.5	1.5
130°-140°	32.9	1.1
140°-150°	19.6	0.6
150°-160°	9.1	0.3
160°-170°	2.7	0.1
170°-180°	0.3	0.0
0°-30°	695.6	22.3
0°-40°	1141.2	36.6
0°-60°	2047.3	65.7
0°-90°	2773.2	89.1
90°-120°	228.6	7.3
90°-150°	328.7	10.6
90°-180°	341.0	11.0
0°-180°	3114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	881	890	893	893	890	84
15°	842	852	862	870	876	238
25°	768	783	804	812	830	354
35°	671	688	716	737	744	420
45°	550	576	614	640	649	427
55°	423	453	495	526	543	378
65°	284	319	368	404	420	282
75°	145	183	234	272	290	153
85°	26	70	123	162	176	32
90°	1	45	97	135	149	1
95°	0	41	91	126	139	0
105°	0	36	80	112	124	0
115°	1	31	69	97	107	1
125°	1	26	59	82	90	1
135°	1	20	47	65	73	1
145°	2	13	34	48	54	1
155°	2	8	20	31	34	1
165°	2	4	8	13	16	1
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.3	892.3	892.3	892.3	892.3
2.5°	889.4	890.4	893.2	896.1	891.3
5°	880.9	890.4	893.2	893.2	890.4
7.5°	874.3	882.8	889.4	887.6	888.5
10°	871.4	876.2	882.8	887.6	884.7
12.5°	861.0	863.8	869.5	877.1	882.8
15°	842.0	851.5	861.9	869.5	876.2
17.5°	827.8	836.3	849.6	856.3	865.7
20°	809.8	819.3	832.6	846.8	854.4
22.5°	792.7	801.3	819.3	828.8	844.9
25°	768.1	783.2	804.1	811.7	829.7
27.5°	744.4	761.4	779.5	800.3	807.9
30°	724.5	736.8	758.6	776.6	785.1
32.5°	697.0	714.0	736.8	758.6	770.9
35°	671.4	687.5	715.9	736.8	744.4
37.5°	642.9	660.9	689.4	714.0	728.2
40°	615.4	635.3	666.6	690.3	698.9
42.5°	586.0	606.9	640.1	667.6	675.1
45°	550.0	576.5	613.5	640.1	648.6
47.5°	522.5	547.1	582.2	613.5	625.8
50°	489.3	516.8	555.7	584.1	600.2
52.5°	458.9	484.5	524.4	551.9	570.8
55°	422.9	453.3	495.0	526.3	543.3
57.5°	387.8	419.1	462.7	495.0	512.0
60°	353.7	385.9	433.3	465.6	481.7
62.5°	320.5	354.6	397.3	436.2	449.5
65°	283.5	318.6	367.9	403.9	420.1
67.5°	251.3	282.6	335.7	368.9	386.9
70°	214.3	251.3	299.6	337.6	352.7
72.5°	178.3	217.1	267.4	306.3	321.5
75°	145.1	183.0	234.2	272.1	290.2
77.5°	111.9	150.8	202.9	241.8	257.0
80°	77.8	120.4	172.6	211.5	227.6
82.5°	49.3	92.9	147.0	184.0	199.1
85°	25.6	70.2	123.3	162.1	176.4
87.5°	8.5	53.1	106.2	144.1	158.4
90°	0.9	44.6	96.7	134.6	148.9
92.5°	0.0	42.7	93.9	129.9	143.2
95°	0.0	40.8	91.0	126.1	139.4
97.5°	0.0	39.8	87.2	122.3	135.6
100°	0.0	37.9	85.3	119.5	131.8
102.5°	0.0	37.0	82.5	115.7	128.0
105°	0.0	36.0	79.7	111.9	124.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	32.2	72.1	101.5	111.9
115°	0.9	31.3	69.2	96.7	107.2
117.5°	0.9	29.4	67.3	92.9	102.4
120°	0.9	28.4	64.5	90.1	98.6
122.5°	0.9	27.5	61.6	85.3	94.8
125°	0.9	25.6	58.8	81.5	90.1
127.5°	0.9	23.7	55.9	77.8	85.3
130°	0.9	22.8	53.1	73.0	81.5
132.5°	0.9	20.9	50.3	70.2	76.8
135°	0.9	19.9	47.4	65.4	73.0
137.5°	0.9	18.0	44.6	61.6	68.3
140°	0.9	16.1	40.8	57.8	63.5
142.5°	0.9	15.2	37.9	53.1	58.8
145°	1.9	13.3	34.1	48.4	54.0
147.5°	1.9	12.3	30.3	44.6	49.3
150°	1.9	10.4	26.6	39.8	44.6
152.5°	1.9	9.5	23.7	35.1	39.8
155°	1.9	7.6	19.9	31.3	34.1
157.5°	1.9	6.6	17.1	26.6	30.3
160°	1.9	5.7	14.2	22.8	25.6
162.5°	1.9	4.7	11.4	18.0	20.9
165°	1.9	3.8	8.5	13.3	16.1
167.5°	1.9	2.8	6.6	9.5	12.3
170°	1.9	2.8	4.7	6.6	9.5
172.5°	1.9	1.9	2.8	3.8	5.7
175°	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	0.9	0.9	0.0
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	34.1	77.8	108.1	119.5
110°	0.9	33.2	74.9	104.3	115.7



(END OF REPORT)