

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: P709699

Luminaire Tested: **2AWS-L3C39-SQR-UNV-4000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709699
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-L3C39-SQR-UNV-4000K-HI
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting, 4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

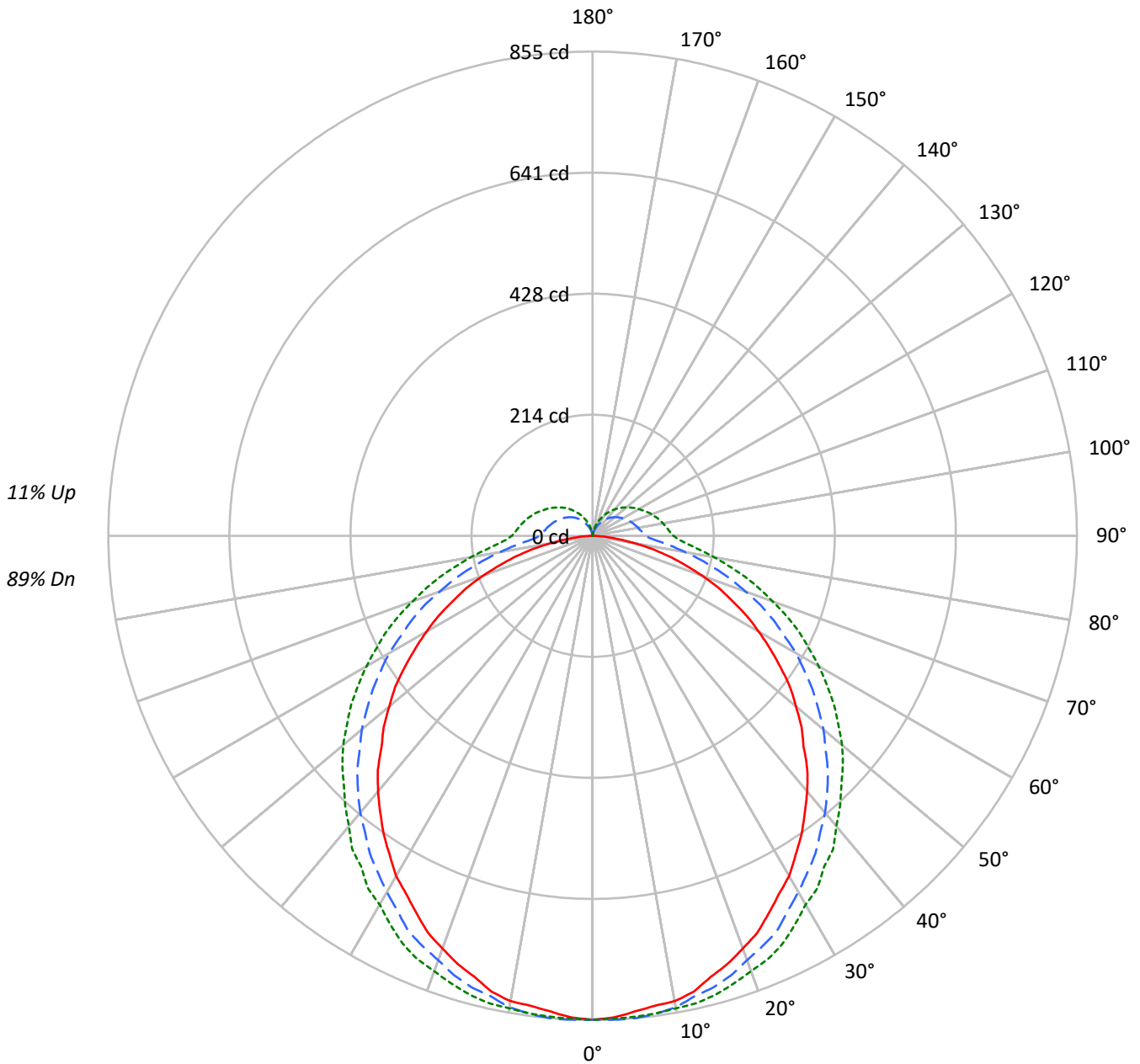
Lumens per Lamp: N/A
Luminaire Lumens: 2982.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 24
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	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°	11693	11693	11693
5°	11517	11514	11452
10°	11454	11281	11254
15°	11212	11003	11109
20°	11012	10699	10880
25°	10753	10482	10695
30°	10534	10111	10326
35°	10237	9840	10068
40°	9941	9532	9807
45°	9524	9213	9533
50°	9204	8857	9335
55°	8782	8475	9044
60°	8265	8081	8696
65°	7641	7595	8353
70°	6883	6986	7873
75°	5820	6329	7445
80°	4200	5597	6925
85°	2135	5041	6660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	2.7
10°-20°	232.5	7.8
20°-30°	352.6	11.8
30°-40°	426.7	14.3
40°-50°	449.2	15.1
50°-60°	418.4	14.0
60°-70°	341.3	11.4
70°-80°	230.1	7.7
80°-90°	123.7	4.1
90°-100°	85.7	2.9
100°-110°	73.4	2.5
110°-120°	59.9	2.0
120°-130°	45.5	1.5
130°-140°	31.5	1.1
140°-150°	18.8	0.6
150°-160°	8.7	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	666.1	22.3
0°-40°	1092.8	36.6
0°-60°	1960.5	65.7
0°-90°	2655.6	89.1
90°-120°	219.0	7.3
90°-150°	314.8	10.6
90°-180°	326.0	10.9
0°-180°	2982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	844	853	855	855	853	80
15°	806	815	825	833	839	228
25°	736	750	770	777	794	339
35°	643	658	686	706	713	402
45°	527	552	588	613	621	409
55°	405	434	474	504	520	362
65°	272	305	352	387	402	270
75°	139	175	224	261	278	147
85°	24	67	118	155	169	31
90°	1	43	93	129	143	1
95°	0	39	87	121	134	0
105°	0	34	76	107	119	0
115°	1	30	66	93	103	1
125°	1	24	56	78	86	1
135°	1	19	45	63	70	1
145°	2	13	33	46	52	1
155°	2	7	19	30	33	1
165°	2	4	8	13	15	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°	854.5	854.5	854.5	854.5	854.5
2.5°	851.7	852.7	855.4	858.1	853.6
5°	843.6	852.7	855.4	855.4	852.7
7.5°	837.2	845.4	851.7	849.9	850.8
10°	834.5	839.0	845.4	849.9	847.2
12.5°	824.5	827.2	832.7	839.9	845.4
15°	806.3	815.4	825.4	832.7	839.0
17.5°	792.7	800.9	813.6	820.0	829.0
20°	775.5	784.5	797.3	810.9	818.1
22.5°	759.1	767.3	784.5	793.6	809.1
25°	735.5	750.0	770.0	777.3	794.5
27.5°	712.8	729.2	746.4	766.4	773.7
30°	693.7	705.5	726.4	743.7	751.9
32.5°	667.4	683.8	705.5	726.4	738.2
35°	642.9	658.3	685.6	705.5	712.8
37.5°	615.7	632.9	660.1	683.8	697.4
40°	589.3	608.4	638.4	661.1	669.2
42.5°	561.2	581.1	612.9	639.3	646.5
45°	526.7	552.1	587.5	612.9	621.1
47.5°	500.3	523.9	557.5	587.5	599.3
50°	468.5	494.9	532.1	559.4	574.8
52.5°	439.5	464.0	502.1	528.5	546.6
55°	405.0	434.0	474.0	504.0	520.3
57.5°	371.4	401.4	443.1	474.0	490.3
60°	338.7	369.6	415.0	445.8	461.3
62.5°	306.9	339.6	380.5	417.7	430.4
65°	271.5	305.1	352.3	386.8	402.3
67.5°	240.6	270.6	321.4	353.2	370.5
70°	205.2	240.6	286.9	323.3	337.8
72.5°	170.7	207.9	256.1	293.3	307.8
75°	138.9	175.3	224.3	260.6	277.9
77.5°	107.1	144.4	194.3	231.6	246.1
80°	74.5	115.3	165.3	202.5	217.9
82.5°	47.2	89.0	140.7	176.2	190.7
85°	24.5	67.2	118.0	155.3	168.9
87.5°	8.2	50.9	101.7	138.0	151.6
90°	0.9	42.7	92.6	128.9	142.6
92.5°	0.0	40.9	89.9	124.4	137.1
95°	0.0	39.0	87.2	120.8	133.5
97.5°	0.0	38.1	83.5	117.1	129.9
100°	0.0	36.3	81.7	114.4	126.2
102.5°	0.0	35.4	79.0	110.8	122.6
105°	0.0	34.5	76.3	107.1	119.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	30.9	69.0	97.2	107.1
115°	0.9	30.0	66.3	92.6	102.6
117.5°	0.9	28.1	64.5	89.0	98.1
120°	0.9	27.2	61.7	86.3	94.4
122.5°	0.9	26.3	59.0	81.7	90.8
125°	0.9	24.5	56.3	78.1	86.3
127.5°	0.9	22.7	53.6	74.5	81.7
130°	0.9	21.8	50.9	69.9	78.1
132.5°	0.9	20.0	48.1	67.2	73.6
135°	0.9	19.1	45.4	62.7	69.9
137.5°	0.9	17.3	42.7	59.0	65.4
140°	0.9	15.4	39.0	55.4	60.8
142.5°	0.9	14.5	36.3	50.9	56.3
145°	1.8	12.7	32.7	46.3	51.8
147.5°	1.8	11.8	29.1	42.7	47.2
150°	1.8	10.0	25.4	38.1	42.7
152.5°	1.8	9.1	22.7	33.6	38.1
155°	1.8	7.3	19.1	30.0	32.7
157.5°	1.8	6.4	16.3	25.4	29.1
160°	1.8	5.4	13.6	21.8	24.5
162.5°	1.8	4.5	10.9	17.3	20.0
165°	1.8	3.6	8.2	12.7	15.4
167.5°	1.8	2.7	6.4	9.1	11.8
170°	1.8	2.7	4.5	6.4	9.1
172.5°	1.8	1.8	2.7	3.6	5.4
175°	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	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	32.7	74.5	103.5	114.4
110°	0.9	31.8	71.7	99.9	110.8



(END OF REPORT)