

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: P709696

Luminaire Tested: **2AWS-L3C39-SQR-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709696
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-3500K-HI
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

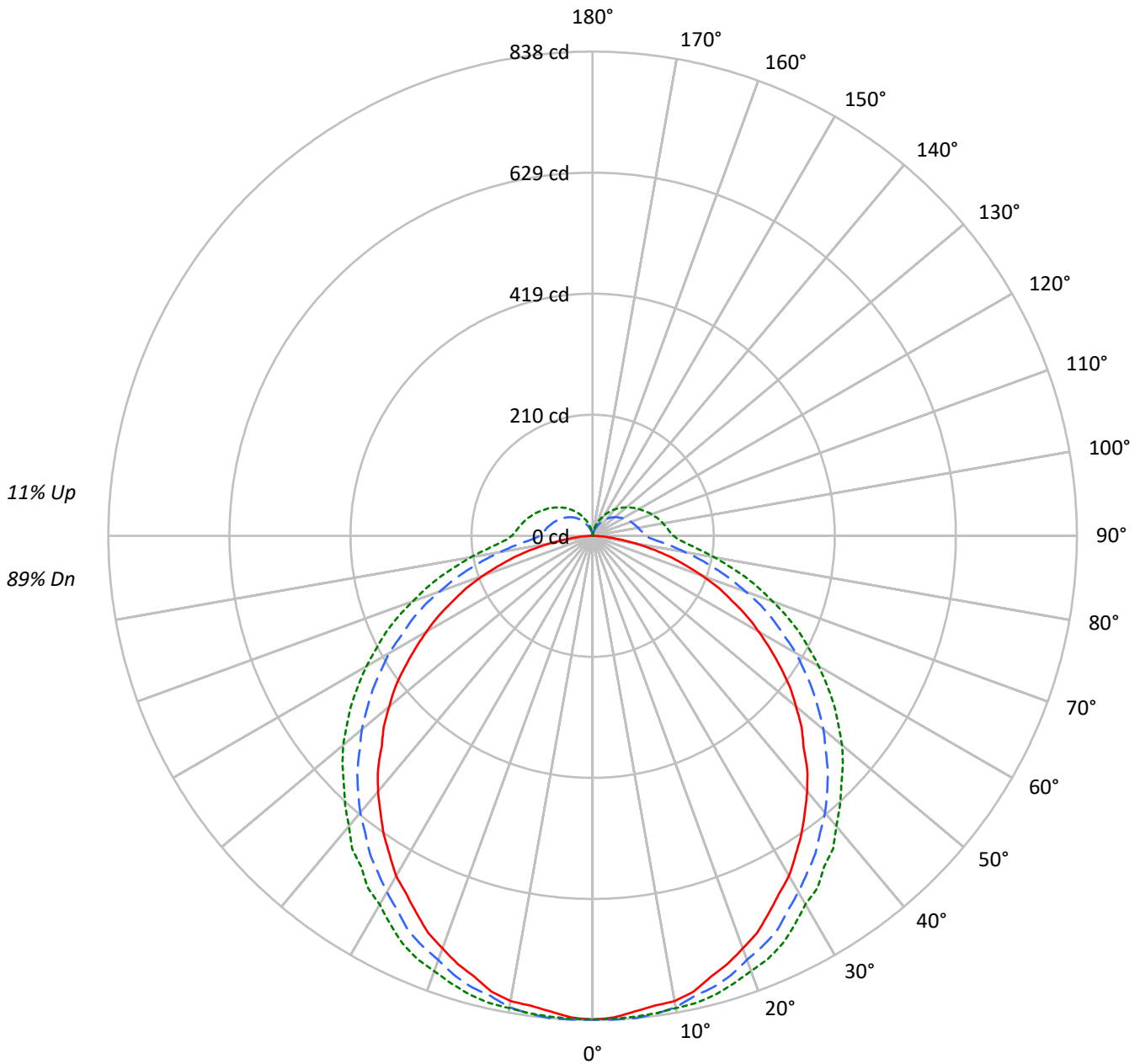
Lumens per Lamp: N/A
Luminaire Lumens: 2922.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 25
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°	11458	11458	11458
5°	11285	11283	11221
10°	11223	11055	11029
15°	10987	10782	10886
20°	10790	10483	10662
25°	10537	10271	10481
30°	10323	9908	10117
35°	10031	9642	9866
40°	9742	9339	9611
45°	9333	9028	9341
50°	9019	8679	9146
55°	8604	8305	8861
60°	8099	7918	8521
65°	7486	7442	8185
70°	6745	6847	7714
75°	5702	6203	7295
80°	4115	5481	6786
85°	2091	4942	6526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	2.7
10°-20°	227.8	7.8
20°-30°	345.5	11.8
30°-40°	418.1	14.3
40°-50°	440.2	15.1
50°-60°	410.0	14.0
60°-70°	334.5	11.4
70°-80°	225.5	7.7
80°-90°	121.2	4.1
90°-100°	84.0	2.9
100°-110°	71.9	2.5
110°-120°	58.7	2.0
120°-130°	44.6	1.5
130°-140°	30.9	1.1
140°-150°	18.4	0.6
150°-160°	8.6	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	652.7	22.3
0°-40°	1070.8	36.6
0°-60°	1921.1	65.7
0°-90°	2602.2	89.1
90°-120°	214.6	7.3
90°-150°	308.4	10.6
90°-180°	320.0	11.0
0°-180°	2922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	827	836	838	838	836	79
15°	790	799	809	816	822	223
25°	721	735	754	762	779	332
35°	630	645	672	691	698	394
45°	516	541	576	601	609	400
55°	397	425	464	494	510	355
65°	266	299	345	379	394	264
75°	136	172	220	255	272	144
85°	24	66	116	152	166	30
90°	1	42	91	126	140	1
95°	0	38	85	118	131	0
105°	0	34	75	105	117	0
115°	1	29	65	91	100	1
125°	1	24	55	76	84	1
135°	1	19	44	61	68	1
145°	2	12	32	45	51	1
155°	2	7	19	29	32	1
165°	2	4	8	12	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°	837.3	837.3	837.3	837.3	837.3
2.5°	834.6	835.5	838.2	840.8	836.4
5°	826.6	835.5	838.2	838.2	835.5
7.5°	820.4	828.4	834.6	832.8	833.7
10°	817.7	822.1	828.4	832.8	830.2
12.5°	807.9	810.6	815.9	823.0	828.4
15°	790.1	799.0	808.8	815.9	822.1
17.5°	776.8	784.8	797.2	803.5	812.4
20°	759.9	768.8	781.2	794.6	801.7
22.5°	743.8	751.9	768.8	777.7	792.8
25°	720.7	735.0	754.5	761.6	778.6
27.5°	698.5	714.5	731.4	751.0	758.1
30°	679.8	691.4	711.8	728.7	736.7
32.5°	654.0	670.0	691.4	711.8	723.4
35°	630.0	645.1	671.8	691.4	698.5
37.5°	603.3	620.2	646.9	670.0	683.3
40°	577.5	596.1	625.5	647.8	655.8
42.5°	549.9	569.5	600.6	626.4	633.5
45°	516.1	541.0	575.7	600.6	608.6
47.5°	490.3	513.4	546.3	575.7	587.2
50°	459.1	484.9	521.4	548.1	563.2
52.5°	430.6	454.7	492.0	517.8	535.6
55°	396.8	425.3	464.5	493.8	509.8
57.5°	363.9	393.3	434.2	464.5	480.5
60°	331.9	362.1	406.6	436.9	452.0
62.5°	300.7	332.8	372.8	409.3	421.8
65°	266.0	299.0	345.2	379.0	394.2
67.5°	235.8	265.2	315.0	346.1	363.0
70°	201.1	235.8	281.2	316.8	331.0
72.5°	167.3	203.8	250.9	287.4	301.6
75°	136.1	171.7	219.8	255.4	272.3
77.5°	105.0	141.5	190.4	226.9	241.1
80°	73.0	113.0	161.9	198.4	213.5
82.5°	46.3	87.2	137.9	172.6	186.9
85°	24.0	65.8	115.7	152.2	165.5
87.5°	8.0	49.8	99.7	135.2	148.6
90°	0.9	41.8	90.8	126.3	139.7
92.5°	0.0	40.0	88.1	121.9	134.4
95°	0.0	38.3	85.4	118.3	130.8
97.5°	0.0	37.4	81.9	114.8	127.2
100°	0.0	35.6	80.1	112.1	123.7
102.5°	0.0	34.7	77.4	108.6	120.1
105°	0.0	33.8	74.7	105.0	116.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	30.3	67.6	95.2	105.0
115°	0.9	29.4	65.0	90.8	100.5
117.5°	0.9	27.6	63.2	87.2	96.1
120°	0.9	26.7	60.5	84.5	92.5
122.5°	0.9	25.8	57.8	80.1	89.0
125°	0.9	24.0	55.2	76.5	84.5
127.5°	0.9	22.2	52.5	73.0	80.1
130°	0.9	21.4	49.8	68.5	76.5
132.5°	0.9	19.6	47.2	65.8	72.1
135°	0.9	18.7	44.5	61.4	68.5
137.5°	0.9	16.9	41.8	57.8	64.1
140°	0.9	15.1	38.3	54.3	59.6
142.5°	0.9	14.2	35.6	49.8	55.2
145°	1.8	12.5	32.0	45.4	50.7
147.5°	1.8	11.6	28.5	41.8	46.3
150°	1.8	9.8	24.9	37.4	41.8
152.5°	1.8	8.9	22.2	32.9	37.4
155°	1.8	7.1	18.7	29.4	32.0
157.5°	1.8	6.2	16.0	24.9	28.5
160°	1.8	5.3	13.3	21.4	24.0
162.5°	1.8	4.4	10.7	16.9	19.6
165°	1.8	3.6	8.0	12.5	15.1
167.5°	1.8	2.7	6.2	8.9	11.6
170°	1.8	2.7	4.4	6.2	8.9
172.5°	1.8	1.8	2.7	3.6	5.3
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	32.0	73.0	101.4	112.1
110°	0.9	31.1	70.3	97.9	108.6



(END OF REPORT)