

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: P709674

Luminaire Tested: **2AWS-L3C3-SQR-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709674
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-4000K-MID
Description: 2foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

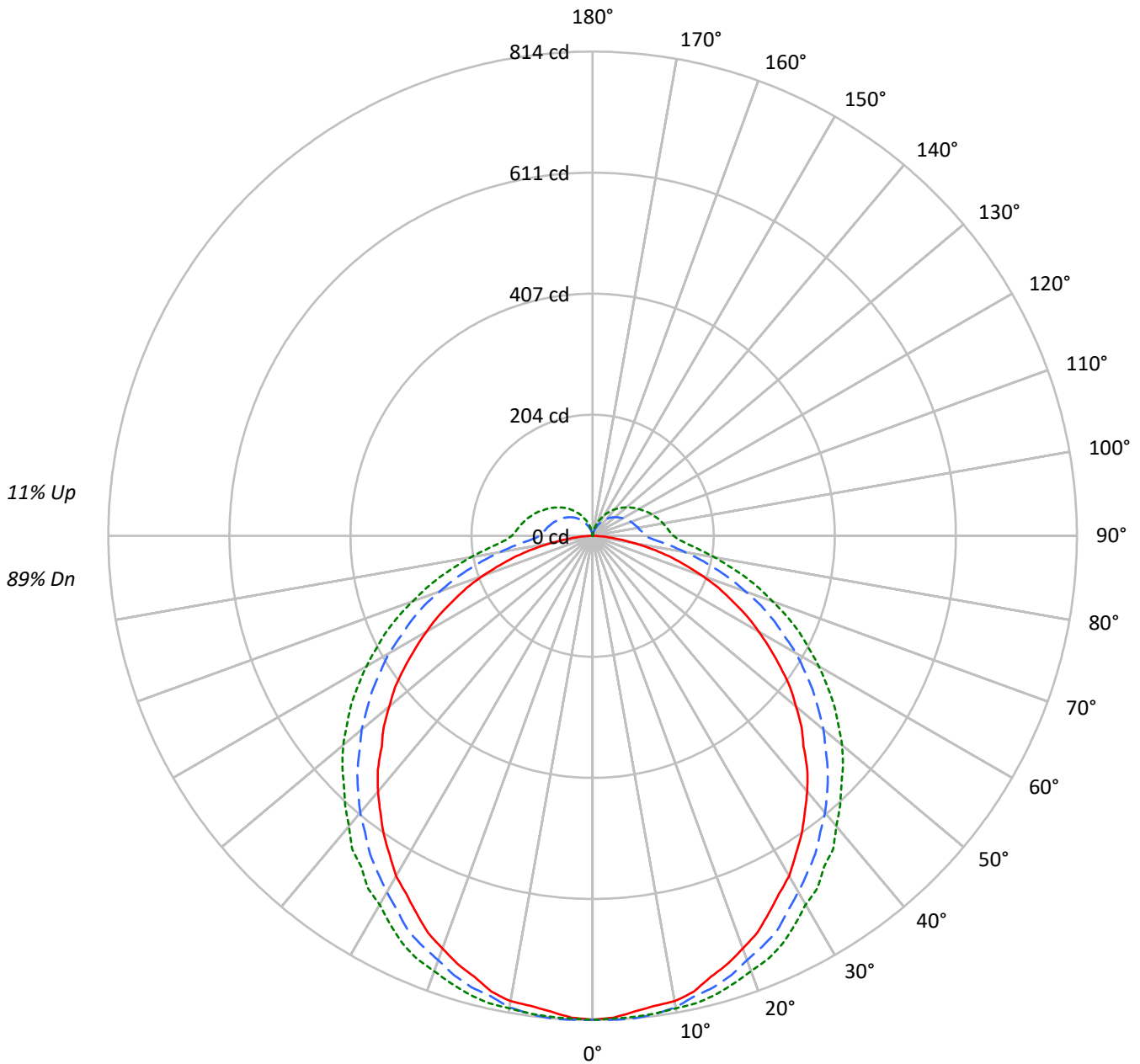
Lumens per Lamp: N/A
Luminaire Lumens: 2839.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 21
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°	11132	11132	11132
5°	10964	10962	10902
10°	10905	10740	10715
15°	10675	10475	10577
20°	10484	10185	10359
25°	10237	9980	10182
30°	10030	9627	9830
35°	9746	9368	9585
40°	9466	9073	9337
45°	9067	8771	9075
50°	8764	8432	8886
55°	8361	8069	8611
60°	7870	7694	8279
65°	7275	7230	7952
70°	6554	6652	7495
75°	5543	6025	7086
80°	3997	5326	6595
85°	2030	4801	6341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	2.7
10°-20°	221.3	7.8
20°-30°	335.7	11.8
30°-40°	406.3	14.3
40°-50°	427.7	15.1
50°-60°	398.4	14.0
60°-70°	325.0	11.4
70°-80°	219.1	7.7
80°-90°	117.7	4.1
90°-100°	81.6	2.9
100°-110°	69.9	2.5
110°-120°	57.0	2.0
120°-130°	43.3	1.5
130°-140°	30.0	1.1
140°-150°	17.9	0.6
150°-160°	8.3	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	634.2	22.3
0°-40°	1040.4	36.6
0°-60°	1866.5	65.7
0°-90°	2528.3	89.1
90°-120°	208.5	7.3
90°-150°	299.7	10.6
90°-180°	311.0	11.0
0°-180°	2839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	803	812	814	814	812	76
15°	768	776	786	793	799	217
25°	700	714	733	740	756	323
35°	612	627	653	672	679	383
45°	501	526	559	584	591	389
55°	386	413	451	480	495	345
65°	258	290	335	368	383	257
75°	132	167	214	248	264	140
85°	23	64	112	148	161	29
90°	1	41	88	123	136	1
95°	0	37	83	115	127	0
105°	0	33	73	102	113	0
115°	1	28	63	88	98	1
125°	1	23	54	74	82	1
135°	1	18	43	60	67	1
145°	2	12	31	44	49	1
155°	2	7	18	28	31	1
165°	2	4	8	12	15	0
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°	813.5	813.5	813.5	<i>813.5</i>	813.5
2.5°	<i>810.9</i>	<i>811.8</i>	<i>814.4</i>	<i>817.0</i>	<i>812.6</i>
5°	803.1	811.8	814.4	<i>814.4</i>	811.8
7.5°	797.1	804.8	810.9	<i>809.2</i>	810.0
10°	794.5	798.8	804.8	<i>809.2</i>	806.6
12.5°	785.0	787.6	792.7	<i>799.7</i>	804.8
15°	767.7	776.3	785.8	<i>792.7</i>	798.8
17.5°	754.7	762.5	774.6	<i>780.6</i>	789.3
20°	738.3	746.9	759.0	<i>772.0</i>	778.9
22.5°	722.7	730.5	746.9	<i>755.6</i>	770.3
25°	700.2	714.1	733.1	<i>740.0</i>	756.4
27.5°	678.6	694.2	710.6	<i>729.6</i>	736.6
30°	660.5	671.7	691.6	<i>708.0</i>	715.8
32.5°	635.4	651.0	671.7	<i>691.6</i>	702.8
35°	612.1	626.8	652.7	<i>671.7</i>	678.6
37.5°	586.1	602.6	628.5	<i>651.0</i>	663.9
40°	561.1	579.2	607.7	<i>629.4</i>	637.1
42.5°	534.3	553.3	583.5	<i>608.6</i>	615.5
45°	501.4	525.6	559.3	<i>583.5</i>	591.3
47.5°	476.3	498.8	530.8	<i>559.3</i>	570.6
50°	446.1	471.2	506.6	<i>532.5</i>	547.2
52.5°	418.4	441.8	478.1	<i>503.1</i>	520.4
55°	385.6	413.2	451.3	<i>479.8</i>	495.4
57.5°	353.6	382.1	421.9	<i>451.3</i>	466.8
60°	322.5	351.9	395.1	<i>424.5</i>	439.2
62.5°	292.2	323.3	362.2	<i>397.7</i>	409.8
65°	258.5	290.5	335.4	<i>368.3</i>	383.0
67.5°	229.1	257.6	306.0	<i>336.3</i>	352.7
70°	195.4	229.1	273.2	<i>307.8</i>	321.6
72.5°	162.5	198.0	243.8	<i>279.2</i>	293.1
75°	132.3	166.8	213.5	<i>248.1</i>	264.5
77.5°	102.0	137.5	185.0	<i>220.4</i>	234.3
80°	70.9	109.8	157.3	<i>192.8</i>	207.5
82.5°	45.0	84.7	134.0	<i>167.7</i>	181.5
85°	23.3	64.0	112.4	<i>147.8</i>	160.8
87.5°	7.8	48.4	96.8	<i>131.4</i>	144.4
90°	0.9	40.6	88.2	<i>122.8</i>	135.7
92.5°	0.0	38.9	85.6	<i>118.4</i>	130.5
95°	0.0	37.2	83.0	<i>115.0</i>	127.1
97.5°	0.0	36.3	79.5	<i>111.5</i>	123.6
100°	0.0	34.6	77.8	<i>108.9</i>	120.2
102.5°	0.0	33.7	75.2	<i>105.5</i>	116.7
105°	0.0	32.9	72.6	<i>102.0</i>	113.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	29.4	65.7	92.5	102.0
115°	0.9	28.5	63.1	88.2	97.7
117.5°	0.9	26.8	61.4	84.7	93.4
120°	0.9	25.9	58.8	82.1	89.9
122.5°	0.9	25.1	56.2	77.8	86.4
125°	0.9	23.3	53.6	74.3	82.1
127.5°	0.9	21.6	51.0	70.9	77.8
130°	0.9	20.7	48.4	66.6	74.3
132.5°	0.9	19.0	45.8	64.0	70.0
135°	0.9	18.2	43.2	59.7	66.6
137.5°	0.9	16.4	40.6	56.2	62.2
140°	0.9	14.7	37.2	52.7	57.9
142.5°	0.9	13.8	34.6	48.4	53.6
145°	1.7	12.1	31.1	44.1	49.3
147.5°	1.7	11.2	27.7	40.6	45.0
150°	1.7	9.5	24.2	36.3	40.6
152.5°	1.7	8.6	21.6	32.0	36.3
155°	1.7	6.9	18.2	28.5	31.1
157.5°	1.7	6.1	15.6	24.2	27.7
160°	1.7	5.2	13.0	20.7	23.3
162.5°	1.7	4.3	10.4	16.4	19.0
165°	1.7	3.5	7.8	12.1	14.7
167.5°	1.7	2.6	6.1	8.6	11.2
170°	1.7	2.6	4.3	6.1	8.6
172.5°	1.7	1.7	2.6	3.5	5.2
175°	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	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	31.1	70.9	98.6	108.9
110°	0.9	30.3	68.3	95.1	105.5



(END OF REPORT)