

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: P709829

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWWS-L3C3-SQR-UNV-5000K-LOW
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

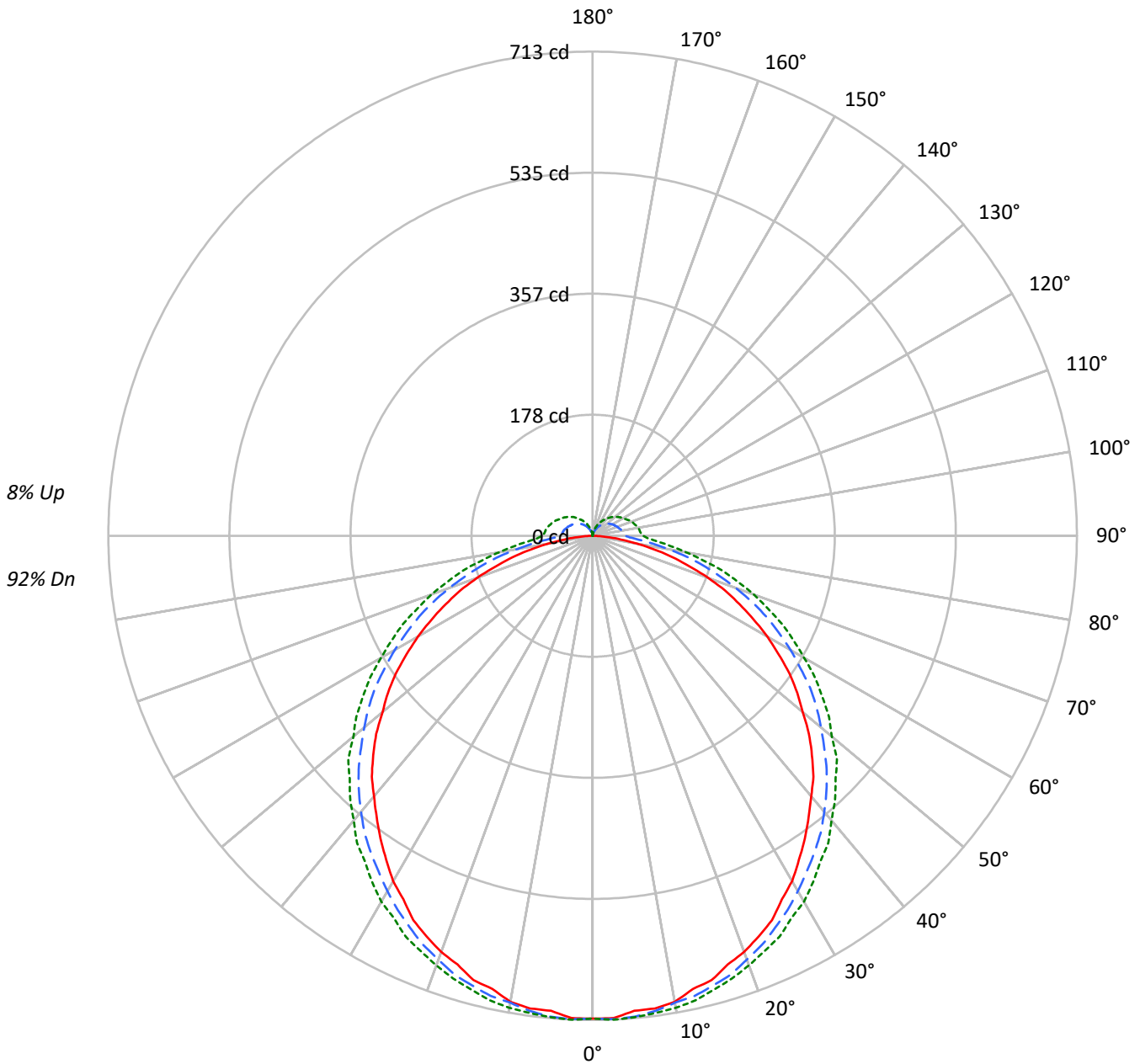
Lumens per Lamp: N/A
Luminaire Lumens: 2330.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 18
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92																			
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	76																			
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	62																			
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	52																			
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	44																			
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	38																			
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29																			
8	58	45	36	30	56	44	36	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	23																			
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5392	5392	5392
5°	5299	5313	5323
10°	5274	5181	5246
15°	5181	5090	5148
20°	5079	4970	5055
25°	4994	4840	4975
30°	4863	4707	4873
35°	4714	4581	4736
40°	4574	4449	4620
45°	4454	4300	4503
50°	4257	4120	4359
55°	4094	3954	4221
60°	3842	3718	4026
65°	3531	3463	3842
70°	3145	3119	3579
75°	2599	2729	3272
80°	1813	2217	2819
85°	912	1726	2487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	2.9
10°-20°	193.4	8.3
20°-30°	294.0	12.6
30°-40°	356.1	15.3
40°-50°	374.4	16.1
50°-60°	346.1	14.9
60°-70°	275.4	11.8
70°-80°	173.4	7.4
80°-90°	75.1	3.2
90°-100°	44.5	1.9
100°-110°	39.2	1.7
110°-120°	32.4	1.4
120°-130°	24.8	1.1
130°-140°	17.3	0.7
140°-150°	10.3	0.4
150°-160°	4.8	0.2
160°-170°	1.4	0.1
170°-180°	0.1	0.0
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0°-30°	554.7	23.8
0°-40°	910.8	39.1
0°-60°	1631.2	70.0
0°-90°	2155.1	92.5
90°-120°	116.1	5.0
90°-150°	168.5	7.2
90°-180°	175.0	7.5
0°-180°	2330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	702	708	711	710	712	67
15°	677	677	686	690	692	190
25°	624	628	636	648	651	287
35°	545	556	569	583	585	341
45°	457	470	487	501	506	352
55°	354	371	391	408	413	315
65°	239	259	282	301	308	236
75°	122	144	168	187	197	128
85°	22	42	69	88	96	27
90°	1	22	48	66	74	1
95°	0	19	45	63	70	0
105°	0	18	41	57	64	0
115°	0	16	36	51	56	0
125°	1	13	31	43	48	0
135°	1	10	25	34	39	0
145°	0	7	18	25	28	0
155°	1	4	11	16	19	0
165°	1	2	4	8	9	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	711.0	711.0	711.0	711.0	711.0
2.5°	711.0	705.8	712.5	711.8	713.3
5°	702.1	708.0	711.0	710.3	711.8
7.5°	702.1	702.1	705.8	708.0	708.8
10°	696.8	699.8	698.3	702.1	705.8
12.5°	683.4	691.6	693.9	702.1	700.6
15°	677.4	676.7	685.7	690.1	691.6
17.5°	661.8	667.7	677.4	681.9	683.4
20°	652.1	658.0	664.0	673.7	673.0
22.5°	638.7	643.9	652.1	661.0	661.8
25°	624.5	627.5	636.4	648.4	651.3
27.5°	603.6	613.3	621.5	637.2	634.2
30°	587.2	593.9	604.3	619.3	622.2
32.5°	565.5	579.0	586.4	599.9	604.3
35°	544.6	555.8	569.3	583.4	584.9
37.5°	522.3	537.9	551.4	566.3	570.0
40°	500.6	514.1	530.5	543.9	546.9
42.5°	481.2	493.9	509.6	526.7	528.2
45°	456.6	470.0	487.2	501.4	505.8
47.5°	432.0	447.7	462.6	479.7	487.9
50°	403.6	421.5	438.7	455.9	459.6
52.5°	379.8	394.7	415.6	432.7	438.7
55°	353.6	370.8	390.9	408.1	412.6
57.5°	324.5	341.0	362.6	381.3	388.0
60°	296.9	314.8	336.5	355.1	359.6
62.5°	267.1	287.2	308.9	328.3	333.5
65°	238.7	258.9	282.0	300.7	308.1
67.5°	211.1	230.5	253.7	272.3	278.3
70°	180.6	200.0	223.8	244.7	252.2
72.5°	149.2	170.1	194.7	217.1	223.1
75°	121.6	144.0	167.9	187.3	197.0
77.5°	93.3	112.7	140.3	158.9	166.4
80°	64.9	87.3	112.7	133.5	139.5
82.5°	41.8	63.4	89.5	108.2	115.6
85°	22.4	42.5	68.6	88.0	95.5
87.5°	7.5	28.4	54.5	73.1	81.3
90°	0.7	21.6	47.7	66.4	73.9
92.5°	0.0	20.1	45.5	63.4	71.6
95°	0.0	19.4	44.8	63.4	70.1
97.5°	0.0	19.4	44.0	62.7	69.4
100°	0.0	18.7	43.3	60.4	67.9
102.5°	0.0	17.9	42.5	59.7	66.4
105°	0.0	17.9	41.0	57.4	64.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.7	37.3	53.0	58.9
115°	0.0	15.7	35.8	50.7	56.0
117.5°	0.0	14.9	35.1	49.2	53.7
120°	0.0	14.2	33.6	47.0	52.2
122.5°	0.0	13.4	32.1	44.8	50.0
125°	0.7	12.7	30.6	43.3	47.7
127.5°	0.7	11.9	29.1	41.0	45.5
130°	0.7	11.9	27.6	38.8	43.3
132.5°	0.7	11.2	26.1	36.6	41.0
135°	0.7	10.4	24.6	34.3	38.8
137.5°	0.7	9.7	23.1	32.8	35.8
140°	0.0	9.0	21.6	29.8	33.6
142.5°	0.7	7.5	19.4	28.4	30.6
145°	0.0	6.7	17.9	25.4	28.4
147.5°	0.7	6.0	16.4	23.1	26.1
150°	0.7	5.2	14.9	20.9	23.9
152.5°	0.7	4.5	12.7	18.7	20.9
155°	0.7	3.7	11.2	16.4	18.7
157.5°	0.7	3.0	9.0	14.2	15.7
160°	0.7	3.0	7.5	11.9	13.4
162.5°	0.7	2.2	6.0	9.7	11.2
165°	0.7	1.5	4.5	7.5	9.0
167.5°	0.7	1.5	3.0	6.0	6.7
170°	0.7	1.5	2.2	3.7	4.5
172.5°	0.7	0.7	1.5	2.2	3.0
175°	0.7	0.7	0.7	1.5	1.5
177.5°	0.7	0.7	0.7	0.7	0.7
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	17.2	39.5	55.2	62.7
110°	0.0	16.4	38.8	53.7	60.4



(END OF REPORT)