

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: P709822

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709822
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-3500K-HI
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

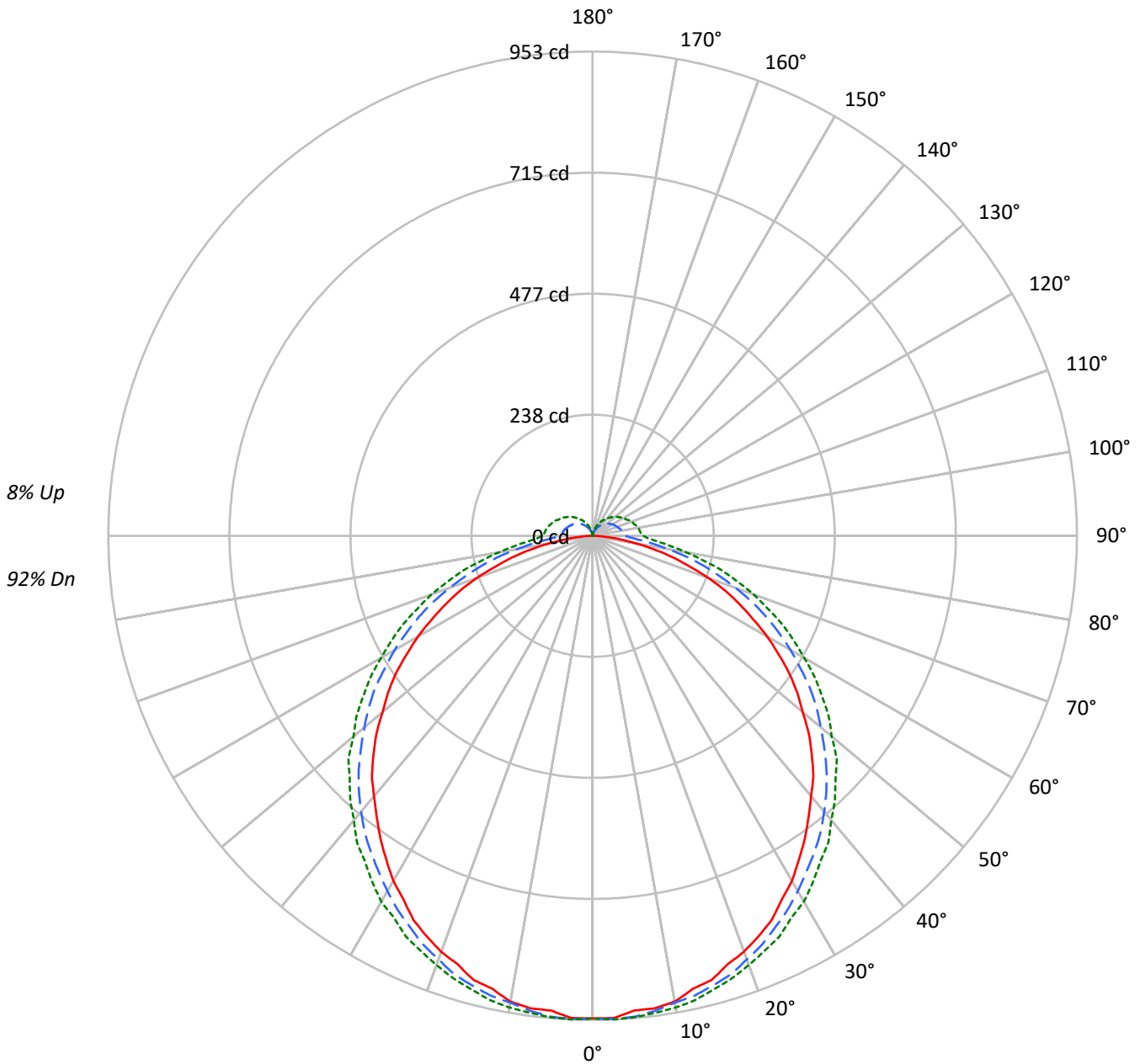
Lumens per Lamp: N/A
Luminaire Lumens: 3113.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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									
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°	7205	7205	7205
5°	7079	7099	7112
10°	7046	6922	7009
15°	6922	6801	6877
20°	6786	6640	6753
25°	6672	6467	6647
30°	6497	6289	6510
35°	6299	6120	6328
40°	6112	5943	6173
45°	5951	5745	6016
50°	5689	5504	5823
55°	5471	5283	5639
60°	5133	4968	5380
65°	4719	4627	5133
70°	4201	4167	4780
75°	3473	3646	4371
80°	2421	2961	3766
85°	1218	2307	3323



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	2.9
10°-20°	258.4	8.3
20°-30°	392.7	12.6
30°-40°	475.7	15.3
40°-50°	500.2	16.1
50°-60°	462.4	14.9
60°-70°	368.0	11.8
70°-80°	231.6	7.4
80°-90°	100.3	3.2
90°-100°	59.5	1.9
100°-110°	52.4	1.7
110°-120°	43.3	1.4
120°-130°	33.2	1.1
130°-140°	23.1	0.7
140°-150°	13.7	0.4
150°-160°	6.4	0.2
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	741.1	23.8
0°-40°	1216.9	39.1
0°-60°	2179.4	70.0
0°-90°	2879.3	92.5
90°-120°	155.1	5.0
90°-150°	225.1	7.2
90°-180°	234.0	7.5
0°-180°	3113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	938	946	950	949	951	90
15°	905	904	916	922	924	255
25°	834	838	850	866	870	383
35°	728	743	761	780	782	455
45°	610	628	651	670	676	470
55°	472	495	522	545	551	421
65°	319	346	377	402	412	316
75°	162	192	224	250	263	171
85°	30	57	92	118	128	36
90°	1	29	64	89	99	2
95°	0	26	60	85	94	0
105°	0	24	55	77	86	0
115°	0	21	48	68	75	0
125°	1	17	41	58	64	1
135°	1	14	33	46	52	1
145°	0	9	24	34	38	0
155°	1	5	15	22	25	0
165°	1	2	6	10	12	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°	950.0	950.0	950.0	950.0	950.0
2.5°	950.0	943.0	952.0	951.0	953.0
5°	938.0	946.0	950.0	949.0	951.0
7.5°	938.0	938.0	943.0	946.0	947.0
10°	931.0	935.0	933.0	938.0	943.0
12.5°	913.1	924.0	927.0	938.0	936.0
15°	905.1	904.1	916.1	922.1	924.0
17.5°	884.2	892.1	905.1	911.1	913.1
20°	871.2	879.2	887.2	900.1	899.1
22.5°	853.3	860.2	871.2	883.2	884.2
25°	834.3	838.3	850.3	866.2	870.2
27.5°	806.4	819.4	830.3	851.3	847.3
30°	784.5	793.5	807.4	827.4	831.3
32.5°	755.6	773.5	783.5	801.4	807.4
35°	727.7	742.6	760.6	779.5	781.5
37.5°	697.8	718.7	736.6	756.6	761.6
40°	668.9	686.8	708.7	726.7	730.7
42.5°	642.9	659.9	680.8	703.7	705.7
45°	610.0	628.0	650.9	669.9	675.8
47.5°	577.2	598.1	618.0	640.9	651.9
50°	539.3	563.2	586.1	609.1	614.0
52.5°	507.4	527.3	555.2	578.2	586.1
55°	472.5	495.4	522.3	545.3	551.2
57.5°	433.6	455.5	484.5	509.4	518.3
60°	396.7	420.7	449.6	474.5	480.5
62.5°	356.9	383.8	412.7	438.6	445.6
65°	319.0	345.9	376.8	401.7	411.7
67.5°	282.1	308.0	338.9	363.8	371.8
70°	241.2	267.1	299.0	327.0	336.9
72.5°	199.4	227.3	260.2	290.1	298.0
75°	162.5	192.4	224.3	250.2	263.2
77.5°	124.6	150.5	187.4	212.3	222.3
80°	86.7	116.6	150.5	178.4	186.4
82.5°	55.8	84.7	119.6	144.5	154.5
85°	29.9	56.8	91.7	117.6	127.6
87.5°	10.0	37.9	72.8	97.7	108.7
90°	1.0	28.9	63.8	88.7	98.7
92.5°	0.0	26.9	60.8	84.7	95.7
95°	0.0	25.9	59.8	84.7	93.7
97.5°	0.0	25.9	58.8	83.7	92.7
100°	0.0	24.9	57.8	80.7	90.7
102.5°	0.0	23.9	56.8	79.7	88.7
105°	0.0	23.9	54.8	76.8	85.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.9	49.8	70.8	78.7
115°	0.0	20.9	47.8	67.8	74.8
117.5°	0.0	19.9	46.9	65.8	71.8
120°	0.0	18.9	44.9	62.8	69.8
122.5°	0.0	17.9	42.9	59.8	66.8
125°	1.0	16.9	40.9	57.8	63.8
127.5°	1.0	15.9	38.9	54.8	60.8
130°	1.0	15.9	36.9	51.8	57.8
132.5°	1.0	15.0	34.9	48.8	54.8
135°	1.0	14.0	32.9	45.9	51.8
137.5°	1.0	13.0	30.9	43.9	47.8
140°	0.0	12.0	28.9	39.9	44.9
142.5°	1.0	10.0	25.9	37.9	40.9
145°	0.0	9.0	23.9	33.9	37.9
147.5°	1.0	8.0	21.9	30.9	34.9
150°	1.0	7.0	19.9	27.9	31.9
152.5°	1.0	6.0	16.9	24.9	27.9
155°	1.0	5.0	15.0	21.9	24.9
157.5°	1.0	4.0	12.0	18.9	20.9
160°	1.0	4.0	10.0	15.9	17.9
162.5°	1.0	3.0	8.0	13.0	15.0
165°	1.0	2.0	6.0	10.0	12.0
167.5°	1.0	2.0	4.0	8.0	9.0
170°	1.0	2.0	3.0	5.0	6.0
172.5°	1.0	1.0	2.0	3.0	4.0
175°	1.0	1.0	1.0	2.0	2.0
177.5°	1.0	1.0	1.0	1.0	1.0
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	22.9	52.8	73.8	83.7
110°	0.0	21.9	51.8	71.8	80.7



(END OF REPORT)