

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: P709830

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709830
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-MID
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

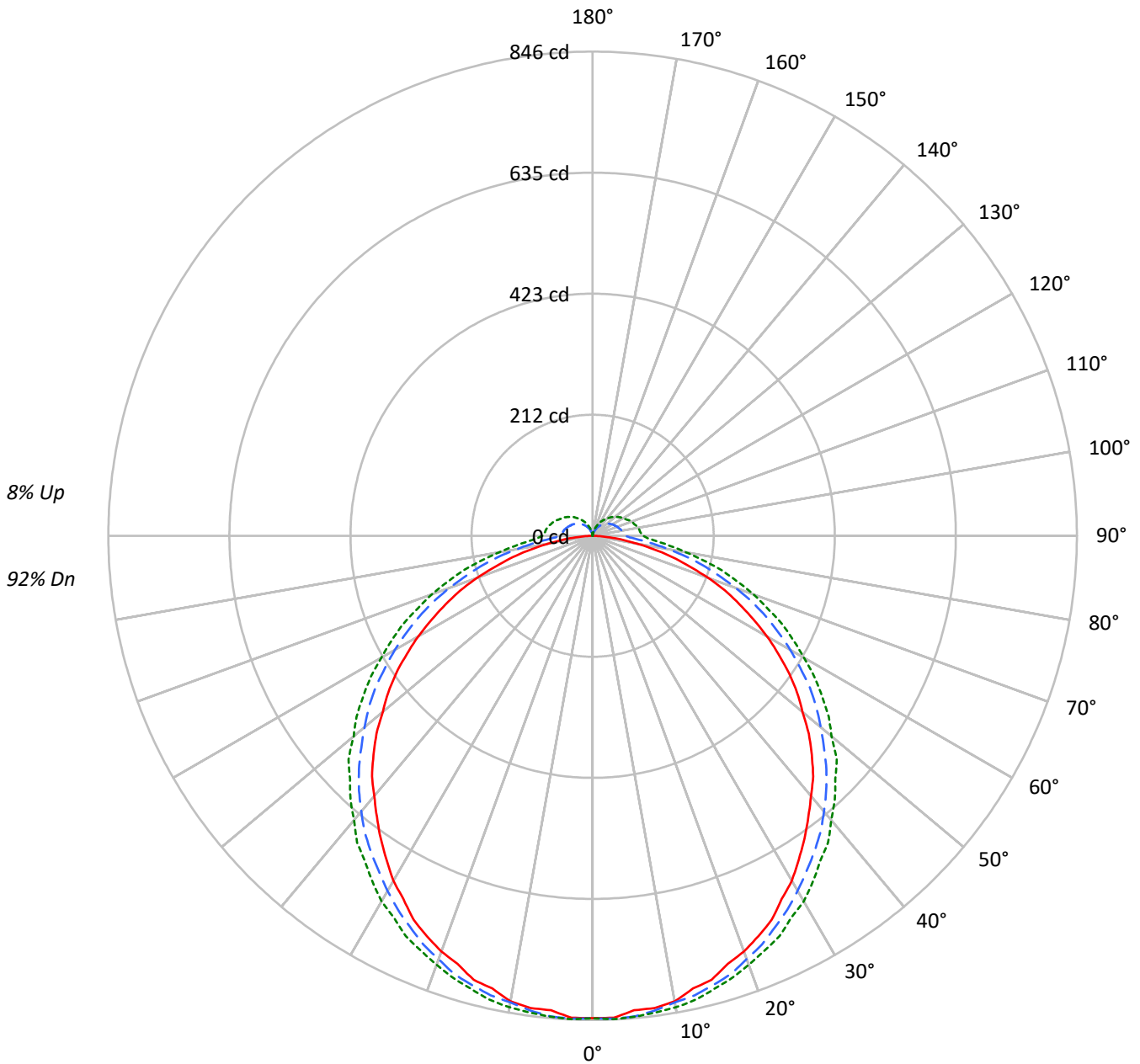
Lumens per Lamp: N/A
Luminaire Lumens: 2762.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 23
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

TEST NUMBER: P709830

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-5000K-MID

Luminous Intensity Polar Plot





TEST NUMBER: P709830

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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°	6393	6393	6393
5°	6281	6298	6310
10°	6251	6142	6219
15°	6142	6034	6103
20°	6021	5891	5991
25°	5920	5737	5898
30°	5764	5581	5776
35°	5588	5430	5615
40°	5422	5273	5477
45°	5281	5097	5338
50°	5048	4883	5167
55°	4854	4687	5003
60°	4555	4408	4773
65°	4186	4105	4555
70°	3727	3697	4241
75°	3082	3234	3878
80°	2148	2626	3342
85°	1079	2048	2948



TEST NUMBER: P709830

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	2.9
10°-20°	229.3	8.3
20°-30°	348.5	12.6
30°-40°	422.1	15.3
40°-50°	443.8	16.1
50°-60°	410.2	14.9
60°-70°	326.5	11.8
70°-80°	205.5	7.4
80°-90°	89.0	3.2
90°-100°	52.8	1.9
100°-110°	46.5	1.7
110°-120°	38.4	1.4
120°-130°	29.4	1.1
130°-140°	20.5	0.7
140°-150°	12.2	0.4
150°-160°	5.7	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
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0°-30°	657.6	23.8
0°-40°	1079.7	39.1
0°-60°	1933.7	70.0
0°-90°	2554.7	92.5
90°-120°	137.7	5.0
90°-150°	199.8	7.2
90°-180°	207.0	7.5
0°-180°	2762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	843	843	843	843	843	
5°	832	839	843	842	844	79
15°	803	802	813	818	820	226
25°	740	744	754	769	772	340
35°	646	659	675	692	693	404
45°	541	557	578	594	600	417
55°	419	440	463	484	489	373
65°	283	307	334	356	365	280
75°	144	171	199	222	234	152
85°	26	50	81	104	113	32
90°	1	26	57	79	88	1
95°	0	23	53	75	83	0
105°	0	21	49	68	76	0
115°	0	19	42	60	66	0
125°	1	15	36	51	57	0
135°	1	12	29	41	46	1
145°	0	8	21	30	34	0
155°	1	4	13	20	22	0
165°	1	2	5	9	11	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



TEST NUMBER: P709830

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-5000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.9	842.9	842.9	842.9	842.9
2.5°	842.9	836.7	844.6	843.7	845.5
5°	832.2	839.3	842.9	842.0	843.7
7.5°	832.2	832.2	836.7	839.3	840.2
10°	826.0	829.6	827.8	832.2	836.7
12.5°	810.1	819.9	822.5	832.2	830.5
15°	803.1	802.2	812.8	818.1	819.9
17.5°	784.5	791.6	803.1	808.4	810.1
20°	773.0	780.1	787.1	798.6	797.7
22.5°	757.1	763.3	773.0	783.6	784.5
25°	740.3	743.8	754.4	768.6	772.1
27.5°	715.5	727.0	736.7	755.3	751.8
30°	696.0	704.0	716.4	734.1	737.6
32.5°	670.4	686.3	695.2	711.1	716.4
35°	645.6	658.9	674.8	691.6	693.4
37.5°	619.1	637.7	653.6	671.3	675.7
40°	593.4	609.4	628.8	644.7	648.3
42.5°	570.4	585.5	604.1	624.4	626.2
45°	541.3	557.2	577.5	594.3	599.6
47.5°	512.1	530.7	548.3	568.7	578.4
50°	478.5	499.7	520.0	540.4	544.8
52.5°	450.2	467.9	492.6	513.0	520.0
55°	419.2	439.6	463.4	483.8	489.1
57.5°	384.7	404.2	429.8	451.9	459.9
60°	352.0	373.2	398.9	421.0	426.3
62.5°	316.6	340.5	366.1	389.1	395.3
65°	283.0	306.9	334.3	356.4	365.3
67.5°	250.3	273.3	300.7	322.8	329.9
70°	214.0	237.0	265.3	290.1	298.9
72.5°	176.9	201.6	230.8	257.4	264.4
75°	144.2	170.7	199.0	222.0	233.5
77.5°	110.6	133.5	166.3	188.4	197.2
80°	76.9	103.5	133.5	158.3	165.4
82.5°	49.5	75.2	106.1	128.2	137.1
85°	26.5	50.4	81.4	104.4	113.2
87.5°	8.8	33.6	64.6	86.7	96.4
90°	0.9	25.6	56.6	78.7	87.6
92.5°	0.0	23.9	53.9	75.2	84.9
95°	0.0	23.0	53.1	75.2	83.1
97.5°	0.0	23.0	52.2	74.3	82.3
100°	0.0	22.1	51.3	71.6	80.5
102.5°	0.0	21.2	50.4	70.8	78.7
105°	0.0	21.2	48.6	68.1	76.1



TEST NUMBER: P709830

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-5000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.6	44.2	62.8	69.9
115°	0.0	18.6	42.5	60.1	66.3
117.5°	0.0	17.7	41.6	58.4	63.7
120°	0.0	16.8	39.8	55.7	61.9
122.5°	0.0	15.9	38.0	53.1	59.3
125°	0.9	15.0	36.3	51.3	56.6
127.5°	0.9	14.2	34.5	48.6	53.9
130°	0.9	14.2	32.7	46.0	51.3
132.5°	0.9	13.3	31.0	43.3	48.6
135°	0.9	12.4	29.2	40.7	46.0
137.5°	0.9	11.5	27.4	38.9	42.5
140°	0.0	10.6	25.6	35.4	39.8
142.5°	0.9	8.8	23.0	33.6	36.3
145°	0.0	8.0	21.2	30.1	33.6
147.5°	0.9	7.1	19.5	27.4	31.0
150°	0.9	6.2	17.7	24.8	28.3
152.5°	0.9	5.3	15.0	22.1	24.8
155°	0.9	4.4	13.3	19.5	22.1
157.5°	0.9	3.5	10.6	16.8	18.6
160°	0.9	3.5	8.8	14.2	15.9
162.5°	0.9	2.7	7.1	11.5	13.3
165°	0.9	1.8	5.3	8.8	10.6
167.5°	0.9	1.8	3.5	7.1	8.0
170°	0.9	1.8	2.7	4.4	5.3
172.5°	0.9	0.9	1.8	2.7	3.5
175°	0.9	0.9	0.9	1.8	1.8
177.5°	0.9	0.9	0.9	0.9	0.9
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	20.3	46.9	65.4	74.3
110°	0.0	19.5	46.0	63.7	71.6



(END OF REPORT)