

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: P709885

Luminaire Tested: **8AWWS-L3C3-SQR-UNV-3500K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709885
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: 8AWWS-L3C3-SQR-UNV-3500K-HI
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

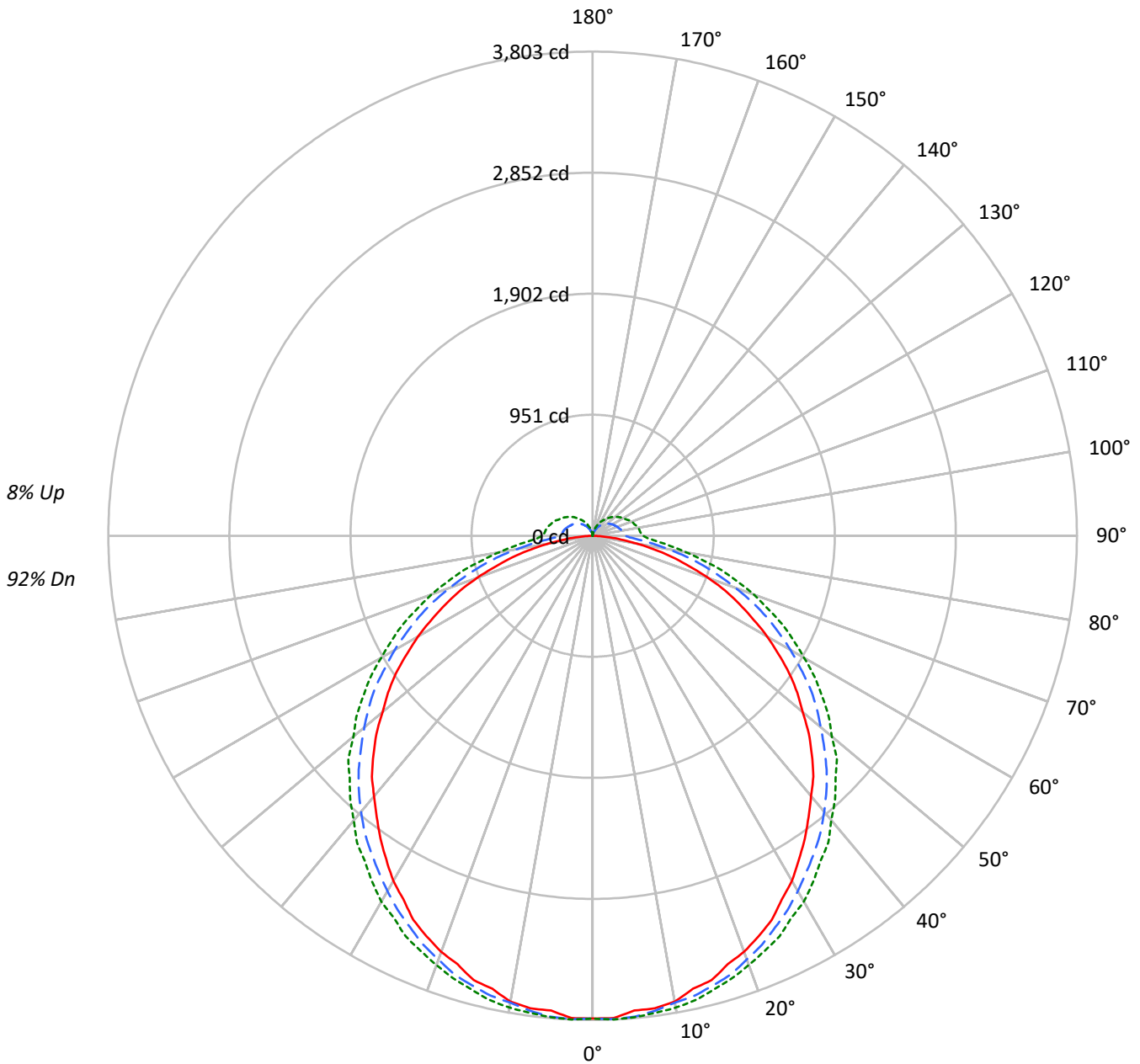
Lumens per Lamp: N/A
Luminaire Lumens: 12424.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 88
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°	6626	6626	6626
5°	6555	6559	6541
10°	6568	6426	6446
15°	6496	6342	6326
20°	6414	6221	6211
25°	6354	6087	6114
30°	6236	5950	5988
35°	6099	5820	5820
40°	5976	5685	5678
45°	5883	5531	5534
50°	5696	5336	5356
55°	5564	5164	5187
60°	5324	4904	4948
65°	5018	4623	4721
70°	4628	4228	4397
75°	4034	3776	4020
80°	3083	3160	3464
85°	1896	2584	3056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.4	2.9
10°-20°	1031.2	8.3
20°-30°	1567.4	12.6
30°-40°	1898.6	15.3
40°-50°	1996.3	16.1
50°-60°	1845.2	14.9
60°-70°	1468.5	11.8
70°-80°	924.4	7.4
80°-90°	400.5	3.2
90°-100°	237.5	1.9
100°-110°	209.1	1.7
110°-120°	172.7	1.4
120°-130°	132.4	1.1
130°-140°	92.4	0.7
140°-150°	54.7	0.4
150°-160°	25.6	0.2
160°-170°	7.6	0.1
170°-180°	0.8	0.0
0°-30°	2957.9	23.8
0°-40°	4856.5	39.1
0°-60°	8698.0	70.0
0°-90°	11491.4	92.5
90°-120°	619.3	5.0
90°-150°	898.7	7.2
90°-180°	933.0	7.5
0°-180°	12424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3791	3791	3791	3791	3791	
5°	3744	3775	3791	3787	3795	357
15°	3612	3608	3656	3680	3688	1016
25°	3330	3346	3394	3457	3473	1529
35°	2904	2964	3035	3111	3119	1817
45°	2435	2506	2598	2673	2697	1875
55°	1886	1977	2085	2176	2200	1679
65°	1273	1380	1504	1603	1643	1261
75°	648	768	895	998	1050	684
85°	119	227	366	469	509	145
90°	4	115	255	354	394	7
95°	0	103	239	338	374	0
105°	0	96	219	306	342	0
115°	0	84	191	270	298	0
125°	4	68	163	231	255	2
135°	4	56	131	183	207	3
145°	0	36	96	135	151	2
155°	4	20	60	88	100	2
165°	4	8	24	40	48	1
175°	4	4	4	8	8	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3791.3	3791.3	3791.3	3791.3	3791.3
2.5°	3791.3	3763.5	3799.3	3795.3	3803.2
5°	3743.6	3775.4	3791.3	3787.3	3795.3
7.5°	3743.6	3743.6	3763.5	3775.4	3779.4
10°	3715.7	3731.6	3723.7	3743.6	3763.5
12.5°	3644.1	3687.9	3699.8	3743.6	3735.6
15°	3612.3	3608.3	3656.0	3679.9	3687.9
17.5°	3528.7	3560.6	3612.3	3636.1	3644.1
20°	3477.0	3508.8	3540.7	3592.4	3588.4
22.5°	3405.4	3433.3	3477.0	3524.8	3528.7
25°	3329.8	3345.7	3393.5	3457.1	3473.0
27.5°	3218.4	3270.1	3313.9	3397.5	3381.5
30°	3130.9	3166.7	3222.4	3302.0	3317.9
32.5°	3015.5	3087.1	3126.9	3198.5	3222.4
35°	2904.1	2963.8	3035.4	3111.0	3119.0
37.5°	2784.8	2868.3	2939.9	3019.5	3039.4
40°	2669.4	2741.0	2828.6	2900.2	2916.1
42.5°	2566.0	2633.6	2717.2	2808.7	2816.6
45°	2434.7	2506.3	2597.8	2673.4	2697.3
47.5°	2303.4	2387.0	2466.5	2558.0	2601.8
50°	2152.2	2247.7	2339.2	2430.7	2450.6
52.5°	2024.9	2104.5	2215.9	2307.4	2339.2
55°	1885.7	1977.2	2084.6	2176.1	2200.0
57.5°	1730.6	1818.1	1933.4	2032.9	2068.7
60°	1583.4	1678.8	1794.2	1893.7	1917.5
62.5°	1424.2	1531.6	1647.0	1750.4	1778.3
65°	1273.0	1380.5	1503.8	1603.2	1643.0
67.5°	1125.9	1229.3	1352.6	1452.1	1483.9
70°	962.7	1066.2	1193.5	1304.9	1344.7
72.5°	795.7	907.0	1038.3	1157.7	1189.5
75°	648.5	767.8	895.1	998.5	1050.3
77.5°	497.3	600.7	747.9	847.4	887.2
80°	346.1	465.5	600.7	712.1	743.9
82.5°	222.8	338.2	477.4	576.9	616.6
85°	119.3	226.8	366.0	469.4	509.2
87.5°	39.8	151.2	290.4	389.9	433.6
90°	4.0	115.4	254.6	354.1	393.8
92.5°	0.0	107.4	242.7	338.2	381.9
95°	0.0	103.4	238.7	338.2	374.0
97.5°	0.0	103.4	234.7	334.2	370.0
100°	0.0	99.5	230.7	322.2	362.0
102.5°	0.0	95.5	226.8	318.3	354.1
105°	0.0	95.5	218.8	306.3	342.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	83.5	198.9	282.5	314.3
115°	0.0	83.5	191.0	270.5	298.4
117.5°	0.0	79.6	187.0	262.6	286.4
120°	0.0	75.6	179.0	250.6	278.5
122.5°	0.0	71.6	171.1	238.7	266.5
125°	4.0	67.6	163.1	230.7	254.6
127.5°	4.0	63.7	155.2	218.8	242.7
130°	4.0	63.7	147.2	206.9	230.7
132.5°	4.0	59.7	139.2	194.9	218.8
135°	4.0	55.7	131.3	183.0	206.9
137.5°	4.0	51.7	123.3	175.0	191.0
140°	0.0	47.7	115.4	159.1	179.0
142.5°	4.0	39.8	103.4	151.2	163.1
145°	0.0	35.8	95.5	135.3	151.2
147.5°	4.0	31.8	87.5	123.3	139.2
150°	4.0	27.8	79.6	111.4	127.3
152.5°	4.0	23.9	67.6	99.5	111.4
155°	4.0	19.9	59.7	87.5	99.5
157.5°	4.0	15.9	47.7	75.6	83.5
160°	4.0	15.9	39.8	63.7	71.6
162.5°	4.0	11.9	31.8	51.7	59.7
165°	4.0	8.0	23.9	39.8	47.7
167.5°	4.0	8.0	15.9	31.8	35.8
170°	4.0	8.0	11.9	19.9	23.9
172.5°	4.0	4.0	8.0	11.9	15.9
175°	4.0	4.0	4.0	8.0	8.0
177.5°	4.0	4.0	4.0	4.0	4.0
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	91.5	210.8	294.4	334.2
110°	0.0	87.5	206.9	286.4	322.2



(END OF REPORT)