

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: P709891

Luminaire Tested: **8AWWS-L3C3-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709891
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-5000K-HI
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

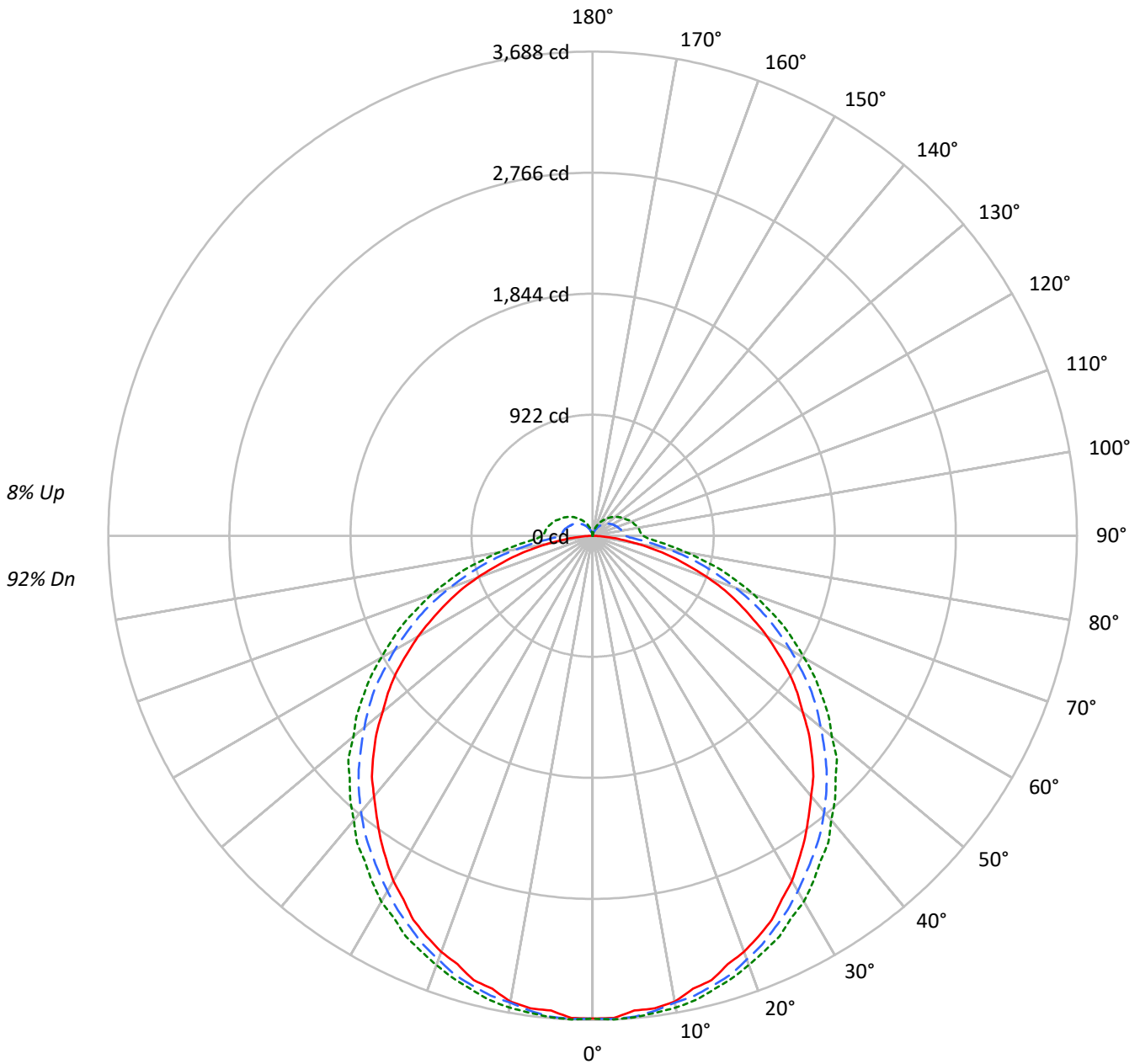
Lumens per Lamp: N/A
Luminaire Lumens: 12048.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 90
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°	6426	6426	6426
5°	6356	6361	6343
10°	6369	6232	6251
15°	6300	6150	6134
20°	6220	6033	6023
25°	6161	5903	5929
30°	6048	5770	5807
35°	5914	5644	5644
40°	5795	5513	5506
45°	5705	5363	5366
50°	5524	5175	5194
55°	5396	5008	5030
60°	5162	4756	4798
65°	4866	4483	4578
70°	4488	4100	4264
75°	3912	3661	3898
80°	2989	3064	3359
85°	1839	2505	2964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	2.9
10°-20°	1000.0	8.3
20°-30°	1519.9	12.6
30°-40°	1841.1	15.3
40°-50°	1935.8	16.1
50°-60°	1789.4	14.9
60°-70°	1424.1	11.8
70°-80°	896.4	7.4
80°-90°	388.3	3.2
90°-100°	230.3	1.9
100°-110°	202.8	1.7
110°-120°	167.5	1.4
120°-130°	128.3	1.1
130°-140°	89.6	0.7
140°-150°	53.0	0.4
150°-160°	24.9	0.2
160°-170°	7.3	0.1
170°-180°	0.7	0.0
0°-30°	2868.4	23.8
0°-40°	4709.5	39.1
0°-60°	8434.8	70.0
0°-90°	11143.6	92.5
90°-120°	600.6	5.0
90°-150°	871.5	7.2
90°-180°	904.0	7.5
0°-180°	12048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3677	3677	3677	3677	3677	
5°	3630	3661	3677	3673	3680	347
15°	3503	3499	3545	3568	3576	985
25°	3229	3244	3291	3352	3368	1483
35°	2816	2874	2944	3017	3025	1762
45°	2361	2430	2519	2592	2616	1819
55°	1829	1917	2022	2110	2133	1628
65°	1234	1339	1458	1555	1593	1223
75°	629	745	868	968	1018	663
85°	116	220	355	455	494	141
90°	4	112	247	343	382	6
95°	0	100	232	328	363	0
105°	0	93	212	297	332	0
115°	0	81	185	262	289	0
125°	4	66	158	224	247	2
135°	4	54	127	178	201	3
145°	0	35	93	131	147	2
155°	4	19	58	85	96	2
165°	4	8	23	39	46	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°	3676.6	3676.6	3676.6	3676.6	3676.6
2.5°	3676.6	3649.6	3684.3	3680.4	3688.1
5°	3630.3	3661.1	3676.6	3672.7	3680.4
7.5°	3630.3	3630.3	3649.6	3661.1	3665.0
10°	3603.3	3618.7	3611.0	3630.3	3649.6
12.5°	3533.8	3576.3	3587.8	3630.3	3622.6
15°	3503.0	3499.1	3545.4	3568.5	3576.3
17.5°	3421.9	3452.8	3503.0	3526.1	3533.8
20°	3371.8	3402.7	3433.5	3483.7	3479.8
22.5°	3302.3	3329.4	3371.8	3418.1	3421.9
25°	3229.0	3244.5	3290.8	3352.5	3367.9
27.5°	3121.0	3171.2	3213.6	3294.6	3279.2
30°	3036.2	3070.9	3124.9	3202.0	3217.5
32.5°	2924.3	2993.7	3032.3	3101.7	3124.9
35°	2816.3	2874.1	2943.6	3016.9	3024.6
37.5°	2700.5	2781.5	2851.0	2928.1	2947.4
40°	2588.6	2658.1	2743.0	2812.4	2827.8
42.5°	2488.3	2553.9	2634.9	2723.7	2731.4
45°	2361.0	2430.5	2519.2	2592.5	2615.6
47.5°	2233.7	2314.7	2391.9	2480.6	2523.1
50°	2087.1	2179.7	2268.4	2357.2	2376.5
52.5°	1963.7	2040.8	2148.8	2237.6	2268.4
55°	1828.6	1917.4	2021.5	2110.3	2133.4
57.5°	1678.2	1763.1	1874.9	1971.4	2006.1
60°	1535.4	1628.0	1739.9	1836.4	1859.5
62.5°	1381.1	1485.3	1597.2	1697.5	1724.5
65°	1234.5	1338.7	1458.3	1554.7	1593.3
67.5°	1091.8	1192.1	1311.7	1408.1	1439.0
70°	933.6	1033.9	1157.4	1265.4	1304.0
72.5°	771.6	879.6	1006.9	1122.6	1153.5
75°	628.8	744.6	868.0	968.3	1018.5
77.5°	482.2	582.5	725.3	821.7	860.3
80°	335.6	451.4	582.5	690.6	721.4
82.5°	216.0	327.9	462.9	559.4	598.0
85°	115.7	219.9	354.9	455.2	493.8
87.5°	38.6	146.6	281.6	378.1	420.5
90°	3.9	111.9	246.9	343.4	381.9
92.5°	0.0	104.2	235.3	327.9	370.4
95°	0.0	100.3	231.5	327.9	362.6
97.5°	0.0	100.3	227.6	324.1	358.8
100°	0.0	96.4	223.8	312.5	351.1
102.5°	0.0	92.6	219.9	308.6	343.4
105°	0.0	92.6	212.2	297.1	331.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	81.0	192.9	273.9	304.8
115°	0.0	81.0	185.2	262.3	289.3
117.5°	0.0	77.2	181.3	254.6	277.8
120°	0.0	73.3	173.6	243.0	270.1
122.5°	0.0	69.4	165.9	231.5	258.5
125°	3.9	65.6	158.2	223.8	246.9
127.5°	3.9	61.7	150.5	212.2	235.3
130°	3.9	61.7	142.7	200.6	223.8
132.5°	3.9	57.9	135.0	189.0	212.2
135°	3.9	54.0	127.3	177.5	200.6
137.5°	3.9	50.2	119.6	169.7	185.2
140°	0.0	46.3	111.9	154.3	173.6
142.5°	3.9	38.6	100.3	146.6	158.2
145°	0.0	34.7	92.6	131.2	146.6
147.5°	3.9	30.9	84.9	119.6	135.0
150°	3.9	27.0	77.2	108.0	123.5
152.5°	3.9	23.1	65.6	96.4	108.0
155°	3.9	19.3	57.9	84.9	96.4
157.5°	3.9	15.4	46.3	73.3	81.0
160°	3.9	15.4	38.6	61.7	69.4
162.5°	3.9	11.6	30.9	50.2	57.9
165°	3.9	7.7	23.1	38.6	46.3
167.5°	3.9	7.7	15.4	30.9	34.7
170°	3.9	7.7	11.6	19.3	23.1
172.5°	3.9	3.9	7.7	11.6	15.4
175°	3.9	3.9	3.9	7.7	7.7
177.5°	3.9	3.9	3.9	3.9	3.9
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	88.7	204.5	285.5	324.1
110°	0.0	84.9	200.6	277.8	312.5



(END OF REPORT)