

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: P709887

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709887
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-MID
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

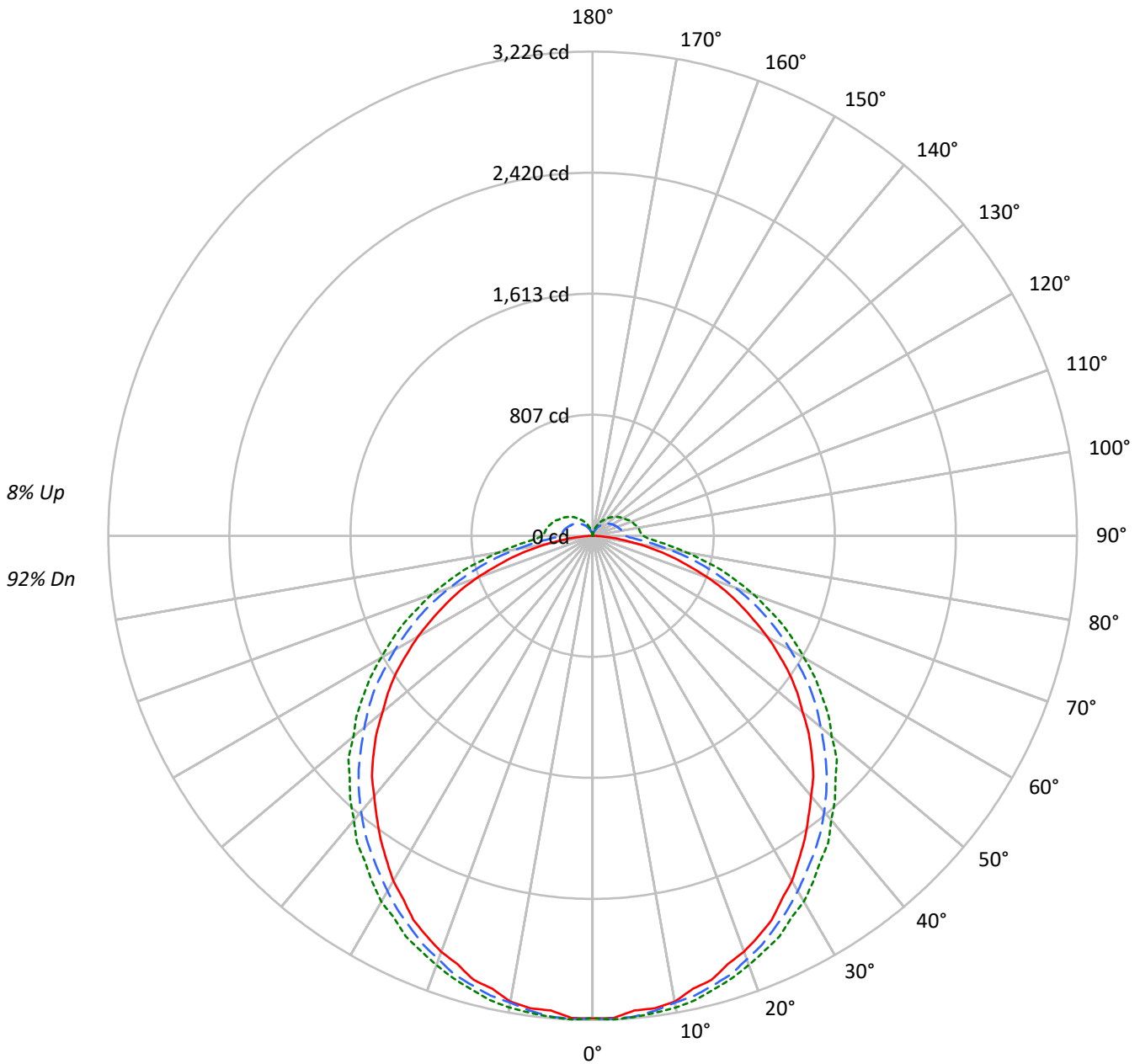
Lumens per Lamp: N/A
Luminaire Lumens: 10537.0 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77
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°	5620	5620	5620
5°	5559	5563	5548
10°	5570	5450	5467
15°	5510	5378	5365
20°	5439	5276	5268
25°	5389	5163	5185
30°	5289	5046	5079
35°	5172	4936	4936
40°	5068	4822	4815
45°	4990	4691	4693
50°	4831	4526	4543
55°	4719	4380	4399
60°	4515	4159	4196
65°	4256	3921	4004
70°	3925	3586	3729
75°	3422	3202	3409
80°	2614	2680	2938
85°	1608	2191	2592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.8	2.9
10°-20°	874.6	8.3
20°-30°	1329.3	12.6
30°-40°	1610.2	15.3
40°-50°	1693.1	16.1
50°-60°	1565.0	14.9
60°-70°	1245.5	11.8
70°-80°	784.0	7.4
80°-90°	339.6	3.2
90°-100°	201.4	1.9
100°-110°	177.3	1.7
110°-120°	146.5	1.4
120°-130°	112.2	1.1
130°-140°	78.3	0.7
140°-150°	46.4	0.4
150°-160°	21.8	0.2
160°-170°	6.4	0.1
170°-180°	0.6	0.0
0°-30°	2508.7	23.8
0°-40°	4118.9	39.1
0°-60°	7376.9	70.0
0°-90°	9746.0	92.5
90°-120°	525.2	5.0
90°-150°	762.2	7.2
90°-180°	791.0	7.5
0°-180°	10537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3216	3216	3216	3216	3216	
5°	3175	3202	3216	3212	3219	303
15°	3064	3060	3101	3121	3128	861
25°	2824	2838	2878	2932	2946	1297
35°	2463	2514	2574	2638	2645	1541
45°	2065	2126	2203	2267	2288	1591
55°	1599	1677	1768	1846	1866	1424
65°	1080	1171	1275	1360	1394	1069
75°	550	651	759	847	891	580
85°	101	192	310	398	432	123
90°	3	98	216	300	334	6
95°	0	88	202	287	317	0
105°	0	81	186	260	290	0
115°	0	71	162	229	253	0
125°	3	57	138	196	216	2
135°	3	47	111	155	176	2
145°	0	30	81	115	128	1
155°	3	17	51	74	84	2
165°	3	7	20	34	40	1
175°	3	3	3	7	7	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3215.5	3215.5	3215.5	3215.5	<i>3215.5</i>
2.5°	<i>3215.5</i>	<i>3191.8</i>	<i>3222.2</i>	<i>3218.8</i>	<i>3225.6</i>
5°	3175.0	3202.0	3215.5	3212.1	<i>3218.8</i>
7.5°	3175.0	3175.0	3191.8	3202.0	<i>3205.3</i>
10°	3151.4	3164.9	3158.1	3175.0	<i>3191.8</i>
12.5°	3090.6	3127.7	3137.9	3175.0	<i>3168.2</i>
15°	3063.6	3060.3	3100.7	3121.0	<i>3127.7</i>
17.5°	2992.8	3019.8	3063.6	3083.9	<i>3090.6</i>
20°	2948.9	2975.9	3002.9	3046.8	<i>3043.4</i>
22.5°	2888.2	2911.8	2948.9	2989.4	<i>2992.8</i>
25°	2824.1	2837.6	2878.1	2932.0	<i>2945.5</i>
27.5°	2729.6	2773.5	2810.6	2881.4	<i>2867.9</i>
30°	2655.4	2685.7	2733.0	2800.5	<i>2814.0</i>
32.5°	2557.5	2618.3	2652.0	2712.7	<i>2733.0</i>
35°	2463.1	2513.7	2574.4	2638.5	<i>2645.3</i>
37.5°	2361.8	2432.7	2493.4	2560.9	<i>2577.8</i>
40°	2264.0	2324.7	2398.9	2459.7	<i>2473.2</i>
42.5°	2176.3	2233.6	2304.5	2382.1	<i>2388.8</i>
45°	2064.9	2125.6	2203.3	2267.4	<i>2287.6</i>
47.5°	1953.6	2024.4	2091.9	2169.5	<i>2206.6</i>
50°	1825.4	1906.3	1983.9	2061.5	<i>2078.4</i>
52.5°	1717.4	1784.9	1879.3	1956.9	<i>1983.9</i>
55°	1599.3	1676.9	1768.0	1845.6	<i>1865.8</i>
57.5°	1467.7	1541.9	1639.8	1724.1	<i>1754.5</i>
60°	1342.9	1423.8	1521.7	1606.0	<i>1626.3</i>
62.5°	1207.9	1299.0	1396.9	1484.6	<i>1508.2</i>
65°	1079.7	1170.8	1275.4	1359.7	<i>1393.5</i>
67.5°	954.9	1042.6	1147.2	1231.5	<i>1258.5</i>
70°	816.5	904.2	1012.2	1106.7	<i>1140.4</i>
72.5°	674.8	769.3	880.6	981.8	<i>1008.8</i>
75°	550.0	651.2	759.2	846.9	<i>890.7</i>
77.5°	421.8	509.5	634.3	718.7	<i>752.4</i>
80°	293.5	394.8	509.5	604.0	<i>630.9</i>
82.5°	188.9	286.8	404.9	489.2	<i>523.0</i>
85°	101.2	192.3	310.4	398.1	<i>431.9</i>
87.5°	33.7	128.2	246.3	330.7	<i>367.8</i>
90°	3.4	97.8	215.9	300.3	<i>334.0</i>
92.5°	0.0	91.1	205.8	286.8	<i>323.9</i>
95°	0.0	87.7	202.4	286.8	<i>317.2</i>
97.5°	0.0	87.7	199.1	283.4	<i>313.8</i>
100°	0.0	84.4	195.7	273.3	<i>307.0</i>
102.5°	0.0	81.0	192.3	269.9	<i>300.3</i>
105°	0.0	81.0	185.6	259.8	<i>290.2</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.9	168.7	239.6	266.5
115°	0.0	70.9	162.0	229.4	253.1
117.5°	0.0	67.5	158.6	222.7	242.9
120°	0.0	64.1	151.8	212.6	236.2
122.5°	0.0	60.7	145.1	202.4	226.1
125°	3.4	57.4	138.3	195.7	215.9
127.5°	3.4	54.0	131.6	185.6	205.8
130°	3.4	54.0	124.8	175.5	195.7
132.5°	3.4	50.6	118.1	165.3	185.6
135°	3.4	47.2	111.3	155.2	175.5
137.5°	3.4	43.9	104.6	148.5	162.0
140°	0.0	40.5	97.8	135.0	151.8
142.5°	3.4	33.7	87.7	128.2	138.3
145°	0.0	30.4	81.0	114.7	128.2
147.5°	3.4	27.0	74.2	104.6	118.1
150°	3.4	23.6	67.5	94.5	108.0
152.5°	3.4	20.2	57.4	84.4	94.5
155°	3.4	16.9	50.6	74.2	84.4
157.5°	3.4	13.5	40.5	64.1	70.9
160°	3.4	13.5	33.7	54.0	60.7
162.5°	3.4	10.1	27.0	43.9	50.6
165°	3.4	6.7	20.2	33.7	40.5
167.5°	3.4	6.7	13.5	27.0	30.4
170°	3.4	6.7	10.1	16.9	20.2
172.5°	3.4	3.4	6.7	10.1	13.5
175°	3.4	3.4	3.4	6.7	6.7
177.5°	3.4	3.4	3.4	3.4	3.4
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	77.6	178.8	249.7	283.4
110°	0.0	74.2	175.5	242.9	273.3



(END OF REPORT)