

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: P709893

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709893
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-MID
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

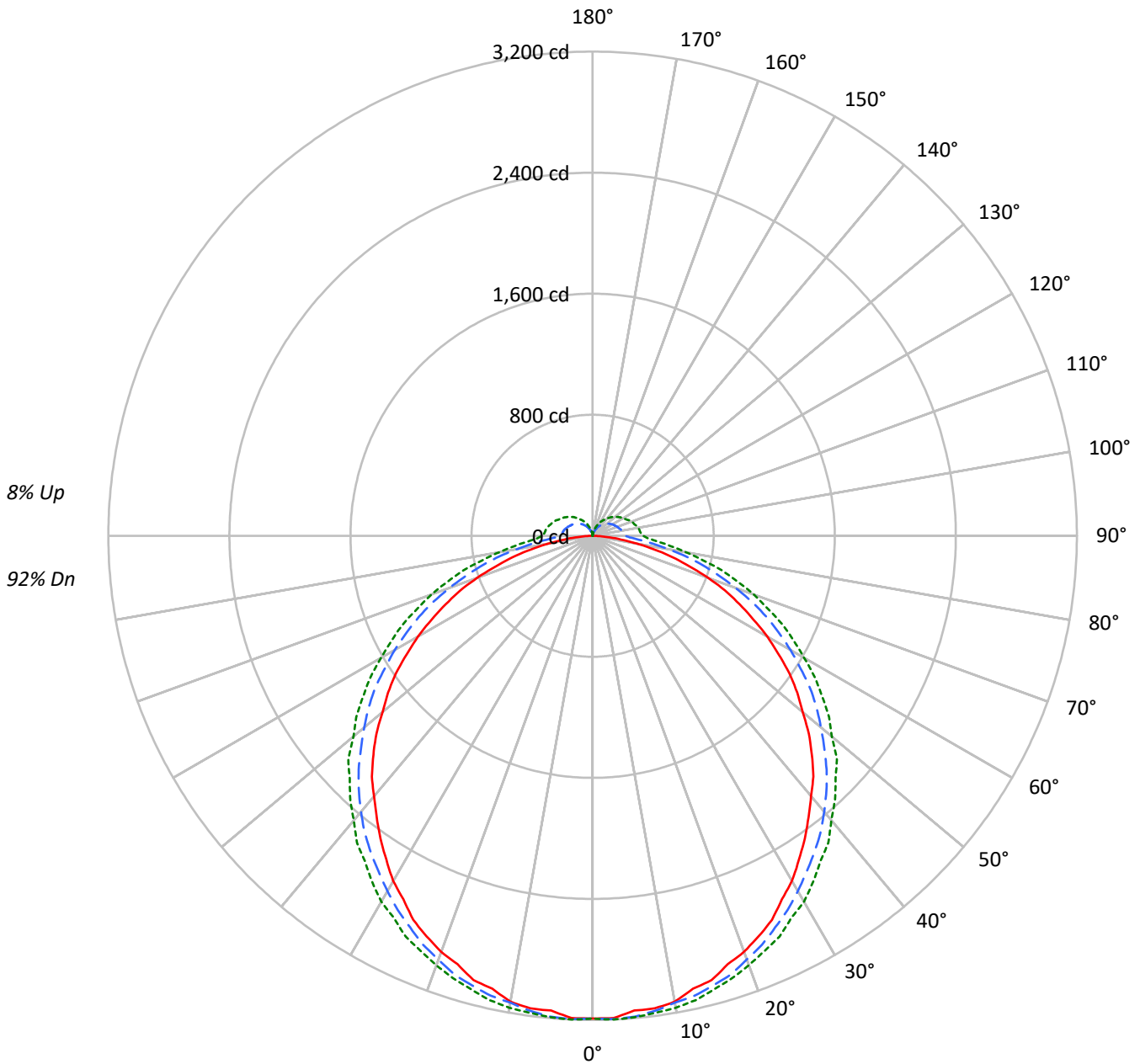
Lumens per Lamp: N/A
Luminaire Lumens: 10455.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76
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°	5576	5576	5576
5°	5516	5520	5505
10°	5527	5408	5425
15°	5467	5337	5323
20°	5397	5235	5227
25°	5347	5122	5145
30°	5248	5007	5039
35°	5132	4898	4898
40°	5029	4784	4778
45°	4951	4654	4657
50°	4794	4491	4507
55°	4682	4346	4365
60°	4480	4127	4163
65°	4223	3890	3973
70°	3895	3558	3700
75°	3395	3177	3383
80°	2595	2659	2915
85°	1596	2174	2572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.4	2.9
10°-20°	867.8	8.3
20°-30°	1319.0	12.6
30°-40°	1597.7	15.3
40°-50°	1679.9	16.1
50°-60°	1552.8	14.9
60°-70°	1235.8	11.8
70°-80°	777.9	7.4
80°-90°	337.0	3.2
90°-100°	199.8	1.9
100°-110°	175.9	1.7
110°-120°	145.4	1.4
120°-130°	111.4	1.1
130°-140°	77.7	0.7
140°-150°	46.0	0.4
150°-160°	21.6	0.2
160°-170°	6.4	0.1
170°-180°	0.6	0.0
0°-30°	2489.1	23.8
0°-40°	4086.8	39.1
0°-60°	7319.5	70.0
0°-90°	9670.2	92.5
90°-120°	521.1	5.0
90°-150°	756.2	7.2
90°-180°	785.0	7.5
0°-180°	10455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3190	3190	3190	3190	3190	
5°	3150	3177	3190	3187	3194	301
15°	3040	3036	3077	3097	3103	855
25°	2802	2816	2856	2909	2923	1287
35°	2444	2494	2554	2618	2625	1529
45°	2049	2109	2186	2250	2270	1578
55°	1587	1664	1754	1831	1851	1413
65°	1071	1162	1266	1349	1383	1061
75°	546	646	753	840	884	576
85°	100	191	308	395	428	122
90°	3	97	214	298	331	5
95°	0	87	201	285	315	0
105°	0	80	184	258	288	0
115°	0	70	161	228	251	0
125°	3	57	137	194	214	2
135°	3	47	110	154	174	2
145°	0	30	80	114	127	1
155°	3	17	50	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°	3190.4	3190.4	3190.4	3190.4	<i>3190.4</i>
2.5°	<i>3190.4</i>	<i>3167.0</i>	<i>3197.1</i>	<i>3193.8</i>	<i>3200.5</i>
5°	3150.3	3177.1	3190.4	3187.1	<i>3193.8</i>
7.5°	3150.3	3150.3	3167.0	3177.1	<i>3180.4</i>
10°	3126.8	3140.2	3133.5	3150.3	<i>3167.0</i>
12.5°	3066.6	3103.4	3113.4	3150.3	<i>3143.6</i>
15°	3039.8	3036.4	3076.6	3096.7	<i>3103.4</i>
17.5°	2969.5	2996.3	3039.8	3059.9	<i>3066.6</i>
20°	2926.0	2952.7	2979.5	3023.1	<i>3019.7</i>
22.5°	2865.7	2889.1	2926.0	2966.1	<i>2969.5</i>
25°	2802.1	2815.5	2855.7	2909.2	<i>2922.6</i>
27.5°	2708.4	2751.9	2788.7	2859.0	<i>2845.6</i>
30°	2634.7	2664.8	2711.7	2778.7	<i>2792.1</i>
32.5°	2537.6	2597.9	2631.4	2691.6	<i>2711.7</i>
35°	2443.9	2494.1	2554.4	2618.0	<i>2624.7</i>
37.5°	2343.5	2413.8	2474.0	2541.0	<i>2557.7</i>
40°	2246.4	2306.6	2380.3	2440.5	<i>2453.9</i>
42.5°	2159.3	2216.2	2286.5	2363.5	<i>2370.2</i>
45°	2048.8	2109.1	2186.1	2249.7	<i>2269.8</i>
47.5°	1938.4	2008.7	2075.6	2152.6	<i>2189.5</i>
50°	1811.2	1891.5	1968.5	2045.5	<i>2062.2</i>
52.5°	1704.0	1771.0	1864.7	1941.7	<i>1968.5</i>
55°	1586.9	1663.9	1754.2	1831.2	<i>1851.3</i>
57.5°	1456.3	1529.9	1627.0	1710.7	<i>1740.8</i>
60°	1332.4	1412.8	1509.9	1593.5	<i>1613.6</i>
62.5°	1198.5	1288.9	1386.0	1473.0	<i>1496.5</i>
65°	1071.3	1161.7	1265.5	1349.2	<i>1382.6</i>
67.5°	947.4	1034.5	1138.2	1221.9	<i>1248.7</i>
70°	810.2	897.2	1004.3	1098.1	<i>1131.6</i>
72.5°	669.6	763.3	873.8	974.2	<i>1001.0</i>
75°	545.7	646.1	753.3	840.3	<i>883.8</i>
77.5°	418.5	505.5	629.4	713.1	<i>746.6</i>
80°	291.3	391.7	505.5	599.3	<i>626.0</i>
82.5°	187.5	284.6	401.7	485.4	<i>518.9</i>
85°	100.4	190.8	308.0	395.0	<i>428.5</i>
87.5°	33.5	127.2	244.4	328.1	<i>364.9</i>
90°	3.3	97.1	214.3	298.0	<i>331.4</i>
92.5°	0.0	90.4	204.2	284.6	<i>321.4</i>
95°	0.0	87.0	200.9	284.6	<i>314.7</i>
97.5°	0.0	87.0	197.5	281.2	<i>311.3</i>
100°	0.0	83.7	194.2	271.2	<i>304.6</i>
102.5°	0.0	80.3	190.8	267.8	<i>298.0</i>
105°	0.0	80.3	184.1	257.8	<i>287.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.3	167.4	237.7	264.5
115°	0.0	70.3	160.7	227.6	251.1
117.5°	0.0	67.0	157.3	221.0	241.0
120°	0.0	63.6	150.7	210.9	234.3
122.5°	0.0	60.3	144.0	200.9	224.3
125°	3.3	56.9	137.3	194.2	214.3
127.5°	3.3	53.6	130.6	184.1	204.2
130°	3.3	53.6	123.9	174.1	194.2
132.5°	3.3	50.2	117.2	164.0	184.1
135°	3.3	46.9	110.5	154.0	174.1
137.5°	3.3	43.5	103.8	147.3	160.7
140°	0.0	40.2	97.1	133.9	150.7
142.5°	3.3	33.5	87.0	127.2	137.3
145°	0.0	30.1	80.3	113.8	127.2
147.5°	3.3	26.8	73.7	103.8	117.2
150°	3.3	23.4	67.0	93.7	107.1
152.5°	3.3	20.1	56.9	83.7	93.7
155°	3.3	16.7	50.2	73.7	83.7
157.5°	3.3	13.4	40.2	63.6	70.3
160°	3.3	13.4	33.5	53.6	60.3
162.5°	3.3	10.0	26.8	43.5	50.2
165°	3.3	6.7	20.1	33.5	40.2
167.5°	3.3	6.7	13.4	26.8	30.1
170°	3.3	6.7	10.0	16.7	20.1
172.5°	3.3	3.3	6.7	10.0	13.4
175°	3.3	3.3	3.3	6.7	6.7
177.5°	3.3	3.3	3.3	3.3	3.3
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	77.0	177.4	247.7	281.2
110°	0.0	73.7	174.1	241.0	271.2



(END OF REPORT)