

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: P709890

Luminaire Tested: **8AWWS-L3C3-SQR-UNV-4000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709890
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-4000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

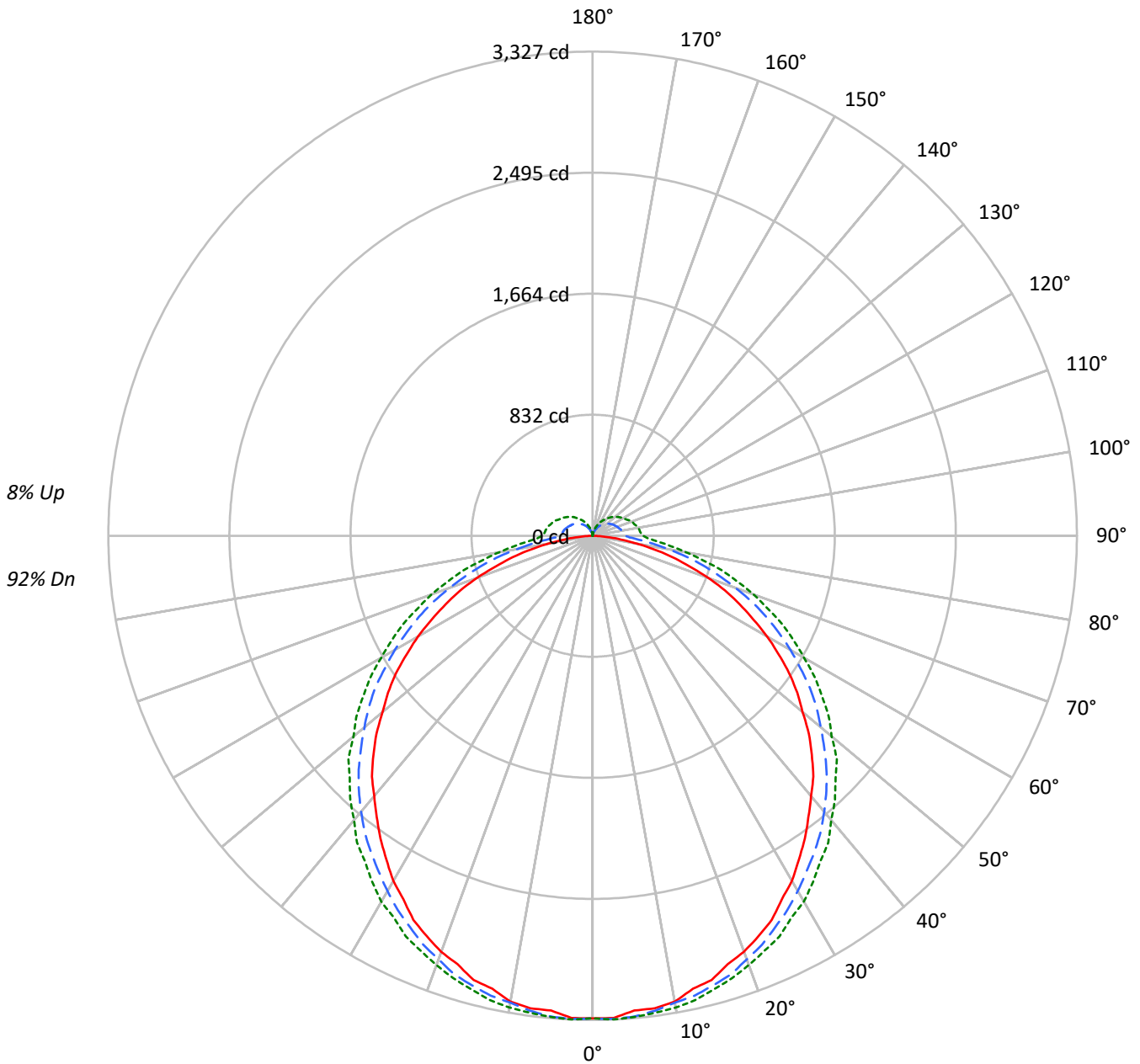
Lumens per Lamp: N/A
Luminaire Lumens: 10867.0 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 73
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°	5796	5796	5796
5°	5733	5737	5722
10°	5745	5621	5638
15°	5682	5547	5533
20°	5610	5441	5433
25°	5557	5324	5348
30°	5455	5205	5238
35°	5334	5091	5091
40°	5227	4973	4966
45°	5146	4838	4840
50°	4983	4668	4685
55°	4867	4517	4537
60°	4656	4290	4328
65°	4389	4043	4129
70°	4048	3698	3846
75°	3529	3302	3516
80°	2696	2764	3030
85°	1659	2260	2673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.3	2.9
10°-20°	902.0	8.3
20°-30°	1370.9	12.6
30°-40°	1660.6	15.3
40°-50°	1746.1	16.1
50°-60°	1614.0	14.9
60°-70°	1284.5	11.8
70°-80°	808.5	7.4
80°-90°	350.3	3.2
90°-100°	207.7	1.9
100°-110°	182.9	1.7
110°-120°	151.1	1.4
120°-130°	115.8	1.1
130°-140°	80.8	0.7
140°-150°	47.8	0.4
150°-160°	22.4	0.2
160°-170°	6.6	0.1
170°-180°	0.7	0.0
0°-30°	2587.2	23.8
0°-40°	4247.9	39.1
0°-60°	7607.9	70.0
0°-90°	10051.2	92.5
90°-120°	541.7	5.0
90°-150°	786.1	7.2
90°-180°	816.0	7.5
0°-180°	10867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3316	3316	3316	3316	3316	
5°	3274	3302	3316	3313	3320	313
15°	3160	3156	3198	3219	3226	888
25°	2912	2926	2968	3024	3038	1338
35°	2540	2592	2655	2721	2728	1589
45°	2130	2192	2272	2338	2359	1640
55°	1649	1729	1823	1903	1924	1469
65°	1114	1208	1315	1402	1437	1103
75°	567	672	783	873	919	598
85°	104	198	320	411	445	127
90°	4	101	223	310	344	6
95°	0	90	209	296	327	0
105°	0	84	191	268	299	0
115°	0	73	167	237	261	0
125°	4	59	143	202	223	2
135°	4	49	115	160	181	2
145°	0	31	84	118	132	1
155°	4	17	52	77	87	2
165°	4	7	21	35	42	1
175°	4	4	4	7	7	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3316.2	3316.2	3316.2	3316.2	<i>3316.2</i>
2.5°	<i>3316.2</i>	<i>3291.8</i>	<i>3323.1</i>	<i>3319.6</i>	<i>3326.6</i>
5°	3274.4	3302.2	3316.2	3312.7	<i>3319.6</i>
7.5°	3274.4	3274.4	3291.8	3302.2	<i>3305.7</i>
10°	3250.1	3264.0	3257.0	3274.4	<i>3291.8</i>
12.5°	3187.4	3225.7	3236.1	3274.4	<i>3267.5</i>
15°	3159.6	3156.1	3197.9	3218.7	<i>3225.7</i>
17.5°	3086.5	3114.3	3159.6	3180.5	<i>3187.4</i>
20°	3041.3	3069.1	3096.9	3142.2	<i>3138.7</i>
22.5°	2978.6	3003.0	3041.3	3083.0	<i>3086.5</i>
25°	2912.5	2926.4	2968.2	3023.9	<i>3037.8</i>
27.5°	2815.1	2860.3	2898.6	2971.7	<i>2957.8</i>
30°	2738.5	2769.9	2818.6	2888.2	<i>2902.1</i>
32.5°	2637.6	2700.3	2735.1	2797.7	<i>2818.6</i>
35°	2540.2	2592.4	2655.0	2721.1	<i>2728.1</i>
37.5°	2435.8	2508.9	2571.5	2641.1	<i>2658.5</i>
40°	2334.9	2397.5	2474.1	2536.7	<i>2550.6</i>
42.5°	2244.4	2303.6	2376.6	2456.7	<i>2463.6</i>
45°	2129.6	2192.2	2272.3	2338.4	<i>2359.2</i>
47.5°	2014.8	2087.8	2157.4	2237.5	<i>2275.7</i>
50°	1882.5	1966.0	2046.1	2126.1	<i>2143.5</i>
52.5°	1771.2	1840.8	1938.2	2018.2	<i>2046.1</i>
55°	1649.4	1729.4	1823.4	1903.4	<i>1924.3</i>
57.5°	1513.7	1590.2	1691.1	1778.1	<i>1809.5</i>
60°	1384.9	1468.4	1569.4	1656.3	<i>1677.2</i>
62.5°	1245.7	1339.7	1440.6	1531.1	<i>1555.4</i>
65°	1113.5	1207.5	1315.3	1402.3	<i>1437.1</i>
67.5°	984.8	1075.2	1183.1	1270.1	<i>1297.9</i>
70°	842.1	932.6	1043.9	1141.3	<i>1176.1</i>
72.5°	695.9	793.4	908.2	1012.6	<i>1040.4</i>
75°	567.2	671.6	782.9	873.4	<i>918.6</i>
77.5°	435.0	525.4	654.2	741.2	<i>776.0</i>
80°	302.7	407.1	525.4	622.9	<i>650.7</i>
82.5°	194.9	295.8	417.6	504.6	<i>539.4</i>
85°	104.4	198.3	320.1	410.6	<i>445.4</i>
87.5°	34.8	132.2	254.0	341.0	<i>379.3</i>
90°	3.5	100.9	222.7	309.7	<i>344.5</i>
92.5°	0.0	94.0	212.3	295.8	<i>334.1</i>
95°	0.0	90.5	208.8	295.8	<i>327.1</i>
97.5°	0.0	90.5	205.3	292.3	<i>323.6</i>
100°	0.0	87.0	201.8	281.9	<i>316.7</i>
102.5°	0.0	83.5	198.3	278.4	<i>309.7</i>
105°	0.0	83.5	191.4	267.9	<i>299.3</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	73.1	174.0	247.1	274.9
115°	0.0	73.1	167.0	236.6	261.0
117.5°	0.0	69.6	163.5	229.7	250.5
120°	0.0	66.1	156.6	219.2	243.6
122.5°	0.0	62.6	149.6	208.8	233.1
125°	3.5	59.2	142.7	201.8	222.7
127.5°	3.5	55.7	135.7	191.4	212.3
130°	3.5	55.7	128.7	180.9	201.8
132.5°	3.5	52.2	121.8	170.5	191.4
135°	3.5	48.7	114.8	160.1	180.9
137.5°	3.5	45.2	107.9	153.1	167.0
140°	0.0	41.8	100.9	139.2	156.6
142.5°	3.5	34.8	90.5	132.2	142.7
145°	0.0	31.3	83.5	118.3	132.2
147.5°	3.5	27.8	76.6	107.9	121.8
150°	3.5	24.4	69.6	97.4	111.4
152.5°	3.5	20.9	59.2	87.0	97.4
155°	3.5	17.4	52.2	76.6	87.0
157.5°	3.5	13.9	41.8	66.1	73.1
160°	3.5	13.9	34.8	55.7	62.6
162.5°	3.5	10.4	27.8	45.2	52.2
165°	3.5	7.0	20.9	34.8	41.8
167.5°	3.5	7.0	13.9	27.8	31.3
170°	3.5	7.0	10.4	17.4	20.9
172.5°	3.5	3.5	7.0	10.4	13.9
175°	3.5	3.5	3.5	7.0	7.0
177.5°	3.5	3.5	3.5	3.5	3.5
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	80.0	184.4	257.5	292.3
110°	0.0	76.6	180.9	250.5	281.9



(END OF REPORT)