

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: P709825

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-4000K-HI**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709825  
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: 2AWWS-L3C3-SQR-UNV-4000K-HI  
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,  
4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

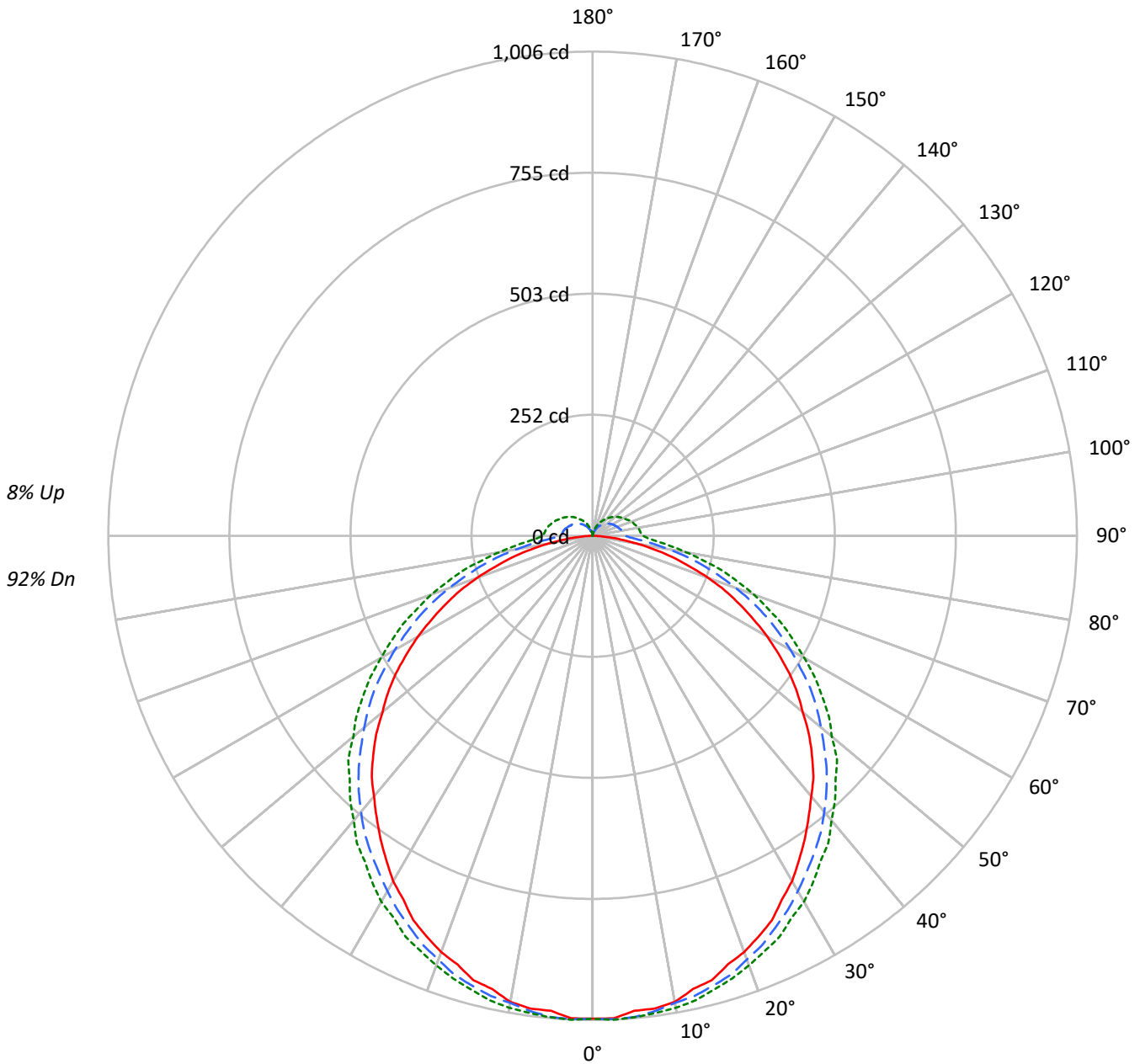
Lumens per Lamp: N/A  
Luminaire Lumens: 3288.0 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	7610	7610	7610
5°	7477	7498	7512
10°	7443	7312	7403
15°	7311	7183	7264
20°	7167	7013	7133
25°	7047	6830	7020
30°	6862	6643	6877
35°	6653	6464	6683
40°	6456	6278	6519
45°	6285	6068	6354
50°	6009	5814	6151
55°	5779	5580	5956
60°	5422	5247	5682
65°	4983	4887	5421
70°	4438	4403	5050
75°	3668	3850	4617
80°	2558	3128	3978
85°	1287	2438	3511



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.1	2.9
10°-20°	272.9	8.3
20°-30°	414.8	12.6
30°-40°	502.5	15.3
40°-50°	528.3	16.1
50°-60°	488.4	14.9
60°-70°	388.7	11.8
70°-80°	244.6	7.4
80°-90°	106.0	3.2
90°-100°	62.8	1.9
100°-110°	55.3	1.7
110°-120°	45.7	1.4
120°-130°	35.0	1.1
130°-140°	24.4	0.7
140°-150°	14.5	0.4
150°-160°	6.8	0.2
160°-170°	2.0	0.1
170°-180°	0.2	0.0
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0°-30°	782.8	23.8
0°-40°	1285.3	39.1
0°-60°	2301.9	70.0
0°-90°	3041.2	92.5
90°-120°	163.9	5.0
90°-150°	237.8	7.2
90°-180°	247.0	7.5
0°-180°	3288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	991	999	1003	1002	1004	95
15°	956	955	968	974	976	269
25°	881	885	898	915	919	405
35°	769	784	803	823	825	481
45°	644	663	688	708	714	496
55°	499	523	552	576	582	444
65°	337	365	398	424	435	334
75°	172	203	237	264	278	181
85°	32	60	97	124	135	39
90°	1	30	67	94	104	2
95°	0	27	63	90	99	0
105°	0	25	58	81	90	0
115°	0	22	50	72	79	0
125°	1	18	43	61	67	1
135°	1	15	35	48	55	1
145°	0	10	25	36	40	0
155°	1	5	16	23	26	1
165°	1	2	6	10	13	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1003.4	1003.4	1003.4	1003.4	1003.4
2.5°	1003.4	996.0	1005.5	1004.4	1006.5
5°	990.7	999.2	1003.4	1002.3	1004.4
7.5°	990.7	990.7	996.0	999.2	1000.2
10°	983.4	987.6	985.5	990.7	996.0
12.5°	964.4	976.0	979.1	990.7	988.6
15°	956.0	954.9	967.6	973.9	976.0
17.5°	933.9	942.3	956.0	962.3	964.4
20°	920.2	928.6	937.0	950.7	949.7
22.5°	901.2	908.6	920.2	932.8	933.9
25°	881.2	885.4	898.1	914.9	919.1
27.5°	851.8	865.4	877.0	899.1	894.9
30°	828.6	838.1	852.8	873.9	878.1
32.5°	798.1	817.0	827.5	846.5	852.8
35°	768.6	784.4	803.3	823.3	825.4
37.5°	737.0	759.1	778.1	799.1	804.4
40°	706.5	725.4	748.6	767.5	771.7
42.5°	679.1	697.0	719.1	743.3	745.4
45°	644.3	663.3	687.5	707.5	713.8
47.5°	609.6	631.7	652.8	677.0	688.6
50°	569.6	594.9	619.1	643.3	648.6
52.5°	535.9	557.0	586.4	610.7	619.1
55°	499.1	523.3	551.7	575.9	582.2
57.5°	458.0	481.2	511.7	538.0	547.5
60°	419.0	444.3	474.8	501.2	507.5
62.5°	376.9	405.3	435.9	463.3	470.6
65°	336.9	365.3	398.0	424.3	434.8
67.5°	298.0	325.3	358.0	384.3	392.7
70°	254.8	282.2	315.9	345.3	355.9
72.5°	210.6	240.0	274.8	306.4	314.8
75°	171.6	203.2	236.9	264.3	278.0
77.5°	131.6	159.0	197.9	224.3	234.8
80°	91.6	123.2	159.0	188.5	196.9
82.5°	59.0	89.5	126.3	152.7	163.2
85°	31.6	60.0	96.9	124.2	134.8
87.5°	10.5	40.0	76.9	103.2	114.8
90°	1.1	30.5	67.4	93.7	104.2
92.5°	0.0	28.4	64.2	89.5	101.1
95°	0.0	27.4	63.2	89.5	99.0
97.5°	0.0	27.4	62.1	88.4	97.9
100°	0.0	26.3	61.1	85.3	95.8
102.5°	0.0	25.3	60.0	84.2	93.7
105°	0.0	25.3	57.9	81.1	90.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.1	52.6	74.8	83.2
115°	0.0	22.1	50.5	71.6	79.0
117.5°	0.0	21.1	49.5	69.5	75.8
120°	0.0	20.0	47.4	66.3	73.7
122.5°	0.0	19.0	45.3	63.2	70.5
125°	1.1	17.9	43.2	61.1	67.4
127.5°	1.1	16.8	41.1	57.9	64.2
130°	1.1	16.8	39.0	54.7	61.1
132.5°	1.1	15.8	36.8	51.6	57.9
135°	1.1	14.7	34.7	48.4	54.7
137.5°	1.1	13.7	32.6	46.3	50.5
140°	0.0	12.6	30.5	42.1	47.4
142.5°	1.1	10.5	27.4	40.0	43.2
145°	0.0	9.5	25.3	35.8	40.0
147.5°	1.1	8.4	23.2	32.6	36.8
150°	1.1	7.4	21.1	29.5	33.7
152.5°	1.1	6.3	17.9	26.3	29.5
155°	1.1	5.3	15.8	23.2	26.3
157.5°	1.1	4.2	12.6	20.0	22.1
160°	1.1	4.2	10.5	16.8	19.0
162.5°	1.1	3.2	8.4	13.7	15.8
165°	1.1	2.1	6.3	10.5	12.6
167.5°	1.1	2.1	4.2	8.4	9.5
170°	1.1	2.1	3.2	5.3	6.3
172.5°	1.1	1.1	2.1	3.2	4.2
175°	1.1	1.1	1.1	2.1	2.1
177.5°	1.1	1.1	1.1	1.1	1.1
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	24.2	55.8	77.9	88.4
110°	0.0	23.2	54.7	75.8	85.3



(END OF REPORT)