

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: P709854

Luminaire Tested: **4AWWS-L3C3-SQR-UNV-4000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709854
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: 4AWS-L3C3-SQR-UNV-4000K-MID
Description: 4foot, Wide Adapt Surface Wrap with, SQR lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

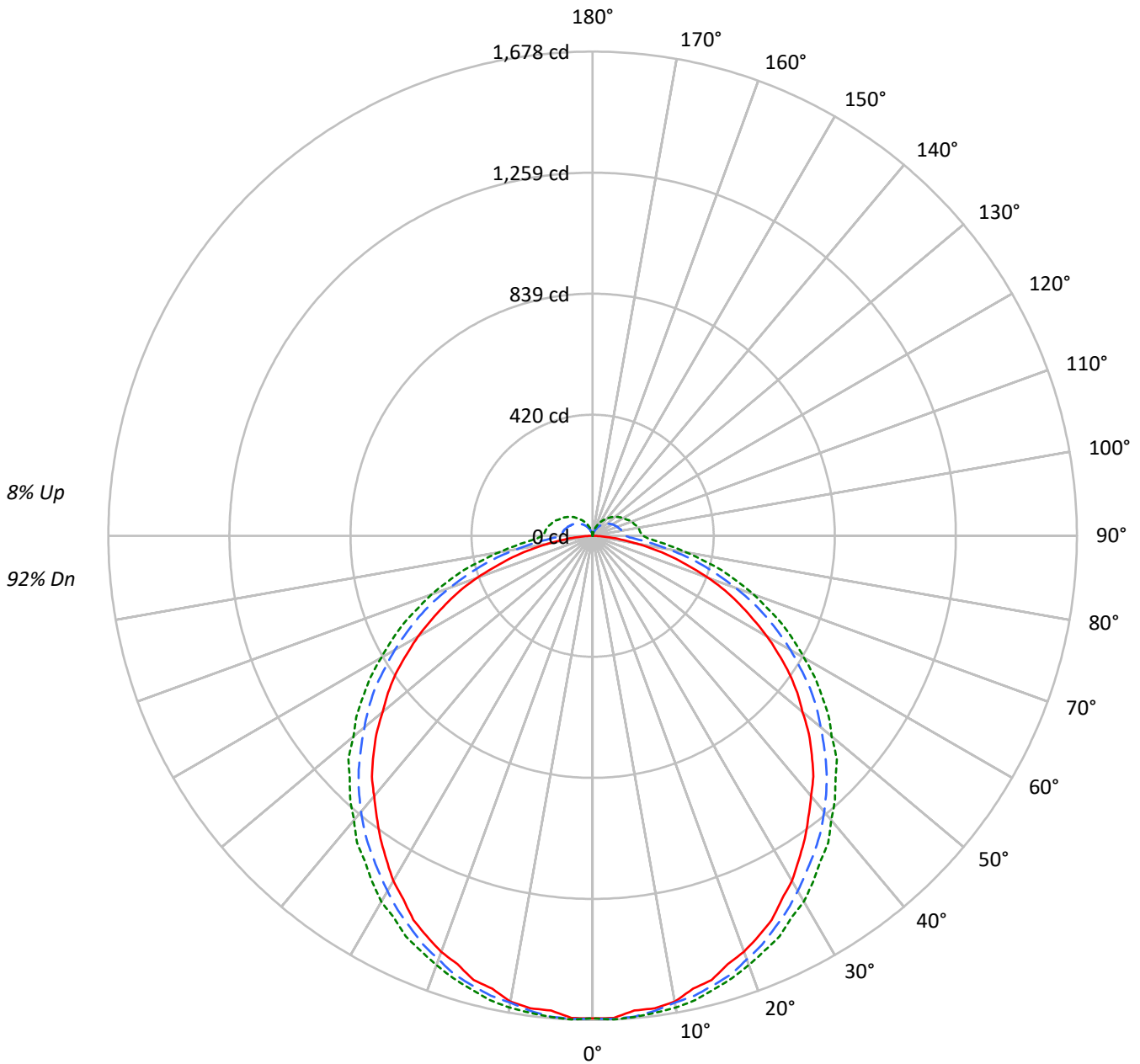
Lumens per Lamp: N/A
Luminaire Lumens: 5481.0 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 38
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°	5847	5847	5847
5°	5772	5779	5772
10°	5772	5654	5688
15°	5697	5572	5581
20°	5612	5458	5480
25°	5547	5333	5394
30°	5431	5205	5283
35°	5297	5083	5135
40°	5175	4957	5010
45°	5077	4813	4882
50°	4896	4634	4726
55°	4758	4473	4576
60°	4524	4234	4365
65°	4230	3976	4165
70°	3855	3619	3880
75°	3300	3210	3546
80°	2440	2660	3056
85°	1387	2141	2696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	2.9
10°-20°	454.9	8.3
20°-30°	691.5	12.6
30°-40°	837.6	15.3
40°-50°	880.7	16.1
50°-60°	814.0	14.9
60°-70°	647.9	11.8
70°-80°	407.8	7.4
80°-90°	176.7	3.2
90°-100°	104.8	1.9
100°-110°	92.2	1.7
110°-120°	76.2	1.4
120°-130°	58.4	1.1
130°-140°	40.7	0.7
140°-150°	24.1	0.4
150°-160°	11.3	0.2
160°-170°	3.3	0.1
170°-180°	0.3	0.0
0°-30°	1304.9	23.8
0°-40°	2142.5	39.1
0°-60°	3837.2	70.0
0°-90°	5069.5	92.5
90°-120°	273.2	5.0
90°-150°	396.5	7.2
90°-180°	411.0	7.5
0°-180°	5481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1673	1673	1673	1673	1673	
5°	1652	1666	1673	1671	1674	158
15°	1594	1592	1613	1623	1627	448
25°	1469	1476	1497	1525	1532	675
35°	1281	1308	1339	1372	1376	802
45°	1074	1106	1146	1179	1190	827
55°	832	872	920	960	971	741
65°	562	609	663	707	725	556
75°	286	339	395	440	463	302
85°	53	100	162	207	225	64
90°	2	51	112	156	174	3
95°	0	46	105	149	165	0
105°	0	42	96	135	151	0
115°	0	37	84	119	132	0
125°	2	30	72	102	112	1
135°	2	25	58	81	91	1
145°	0	16	42	60	67	1
155°	2	9	26	39	44	1
165°	2	4	10	18	21	1
175°	2	2	2	4	4	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1672.6	1672.6	1672.6	1672.6	1672.6
2.5°	1672.6	1660.3	1676.1	1674.3	1677.8
5°	1651.5	1665.6	1672.6	1670.8	1674.3
7.5°	1651.5	1651.5	1660.3	1665.6	1667.3
10°	1639.2	1646.3	1642.7	1651.5	1660.3
12.5°	1607.6	1626.9	1632.2	1651.5	1648.0
15°	1593.6	1591.8	1612.9	1623.4	1626.9
17.5°	1556.7	1570.8	1593.6	1604.1	1607.6
20°	1533.9	1548.0	1562.0	1584.8	1583.1
22.5°	1502.3	1514.6	1533.9	1555.0	1556.7
25°	1469.0	1476.0	1497.1	1525.2	1532.2
27.5°	1419.8	1442.7	1462.0	1498.8	1491.8
30°	1381.2	1397.0	1421.6	1456.7	1463.7
32.5°	1330.3	1361.9	1379.5	1411.1	1421.6
35°	1281.2	1307.5	1339.1	1372.5	1376.0
37.5°	1228.5	1265.4	1297.0	1332.1	1340.9
40°	1177.7	1209.2	1247.9	1279.4	1286.5
42.5°	1132.0	1161.9	1198.7	1239.1	1242.6
45°	1074.1	1105.7	1146.1	1179.4	1189.9
47.5°	1016.2	1053.0	1088.1	1128.5	1147.8
50°	949.5	991.6	1032.0	1072.3	1081.1
52.5°	893.3	928.4	977.6	1017.9	1032.0
55°	831.9	872.3	919.7	960.0	970.6
57.5°	763.5	802.1	853.0	896.8	912.6
60°	698.5	740.6	791.5	835.4	845.9
62.5°	628.3	675.7	726.6	772.2	784.5
65°	561.6	609.0	663.4	707.3	724.8
67.5°	496.7	542.3	596.7	640.6	654.6
70°	424.7	470.4	526.5	575.7	593.2
72.5°	351.0	400.2	458.1	510.7	524.8
75°	286.1	338.7	394.9	440.5	463.3
77.5°	219.4	265.0	330.0	373.8	391.4
80°	152.7	205.3	265.0	314.2	328.2
82.5°	98.3	149.2	210.6	254.5	272.0
85°	52.7	100.0	161.5	207.1	224.6
87.5°	17.6	66.7	128.1	172.0	191.3
90°	1.8	50.9	112.3	156.2	173.8
92.5°	0.0	47.4	107.1	149.2	168.5
95°	0.0	45.6	105.3	149.2	165.0
97.5°	0.0	45.6	103.5	147.4	163.2
100°	0.0	43.9	101.8	142.2	159.7
102.5°	0.0	42.1	100.0	140.4	156.2
105°	0.0	42.1	96.5	135.1	150.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.9	87.8	124.6	138.7
115°	0.0	36.9	84.2	119.3	131.6
117.5°	0.0	35.1	82.5	115.8	126.4
120°	0.0	33.3	79.0	110.6	122.9
122.5°	0.0	31.6	75.5	105.3	117.6
125°	1.8	29.8	72.0	101.8	112.3
127.5°	1.8	28.1	68.4	96.5	107.1
130°	1.8	28.1	64.9	91.3	101.8
132.5°	1.8	26.3	61.4	86.0	96.5
135°	1.8	24.6	57.9	80.7	91.3
137.5°	1.8	22.8	54.4	77.2	84.2
140°	0.0	21.1	50.9	70.2	79.0
142.5°	1.8	17.6	45.6	66.7	72.0
145°	0.0	15.8	42.1	59.7	66.7
147.5°	1.8	14.0	38.6	54.4	61.4
150°	1.8	12.3	35.1	49.1	56.2
152.5°	1.8	10.5	29.8	43.9	49.1
155°	1.8	8.8	26.3	38.6	43.9
157.5°	1.8	7.0	21.1	33.3	36.9
160°	1.8	7.0	17.6	28.1	31.6
162.5°	1.8	5.3	14.0	22.8	26.3
165°	1.8	3.5	10.5	17.6	21.1
167.5°	1.8	3.5	7.0	14.0	15.8
170°	1.8	3.5	5.3	8.8	10.5
172.5°	1.8	1.8	3.5	5.3	7.0
175°	1.8	1.8	1.8	3.5	3.5
177.5°	1.8	1.8	1.8	1.8	1.8
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	40.4	93.0	129.9	147.4
110°	0.0	38.6	91.3	126.4	142.2



(END OF REPORT)