

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: P709672

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWS-L3C3-SQR-UNV-4000K-HI
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

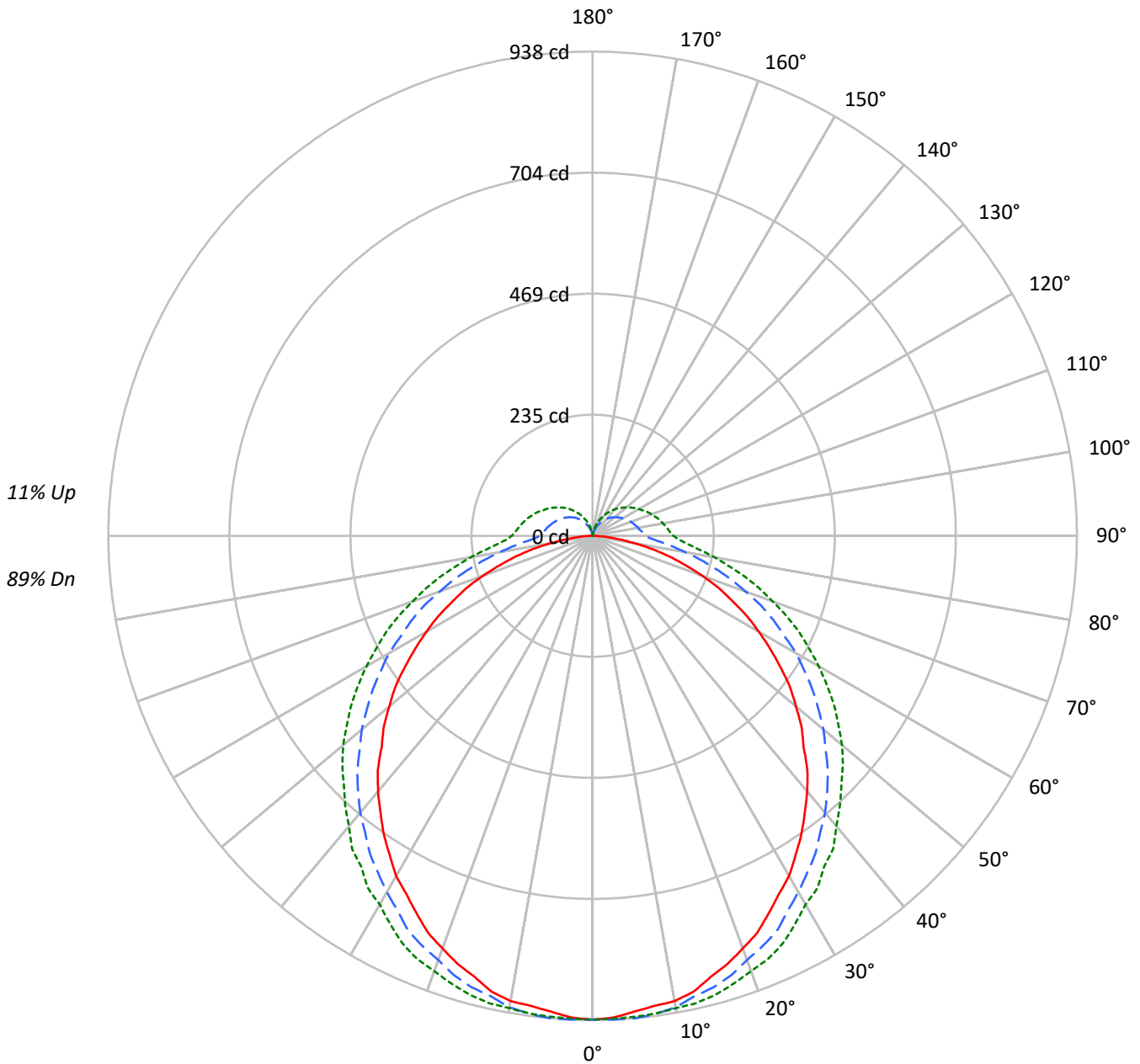
Lumens per Lamp: N/A
Luminaire Lumens: 3271.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 25
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72																			
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59																			
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49																			
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42																			
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36																			
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31																			
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27																			
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24																			
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22																			
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12826	12826	12826
5°	12633	12630	12561
10°	12564	12374	12345
15°	12299	12070	12186
20°	12078	11735	11935
25°	11796	11497	11731
30°	11556	11091	11325
35°	11229	10793	11044
40°	10905	10454	10758
45°	10447	10105	10457
50°	10098	9716	10239
55°	9632	9296	9920
60°	9065	8864	9538
65°	8381	8332	9161
70°	7550	7665	8635
75°	6385	6942	8165
80°	4605	6138	7599
85°	2344	5532	7307



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.7
10°-20°	255.0	7.8
20°-30°	386.7	11.8
30°-40°	468.1	14.3
40°-50°	492.8	15.1
50°-60°	459.0	14.0
60°-70°	374.4	11.4
70°-80°	252.4	7.7
80°-90°	135.7	4.1
90°-100°	94.0	2.9
100°-110°	80.5	2.5
110°-120°	65.7	2.0
120°-130°	49.9	1.5
130°-140°	34.5	1.1
140°-150°	20.6	0.6
150°-160°	9.6	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	730.6	22.3
0°-40°	1198.7	36.6
0°-60°	2150.5	65.7
0°-90°	2913.0	89.1
90°-120°	240.2	7.3
90°-150°	345.3	10.6
90°-180°	358.0	10.9
0°-180°	3271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	925	935	938	938	935	88
15°	884	894	905	913	920	250
25°	807	823	845	853	872	372
35°	705	722	752	774	782	441
45°	578	606	644	672	681	448
55°	444	476	520	553	571	397
65°	298	335	386	424	441	296
75°	152	192	246	286	305	161
85°	27	74	130	170	185	34
90°	1	47	102	141	156	2
95°	0	43	96	132	146	0
105°	0	38	84	118	130	0
115°	1	33	73	102	113	1
125°	1	27	62	86	95	1
135°	1	21	50	69	77	1
145°	2	14	36	51	57	1
155°	2	8	21	33	36	1
165°	2	4	9	14	17	1
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.3	937.3	937.3	937.3	937.3
2.5°	934.3	935.3	938.3	941.3	936.3
5°	925.3	935.3	938.3	938.3	935.3
7.5°	918.4	927.3	934.3	932.3	933.3
10°	915.4	920.3	927.3	932.3	929.3
12.5°	904.4	907.4	913.4	921.3	927.3
15°	884.5	894.4	905.4	913.4	920.3
17.5°	869.5	878.5	892.5	899.4	909.4
20°	850.6	860.6	874.5	889.5	897.4
22.5°	832.7	841.7	860.6	870.5	887.5
25°	806.8	822.7	844.6	852.6	871.5
27.5°	781.9	799.8	818.7	840.7	848.6
30°	761.0	773.9	796.8	815.8	824.7
32.5°	732.1	750.0	773.9	796.8	809.8
35°	705.2	722.1	752.0	773.9	781.9
37.5°	675.3	694.2	724.1	750.0	765.0
40°	646.4	667.4	700.2	725.1	734.1
42.5°	615.6	637.5	672.3	701.2	709.2
45°	577.7	605.6	644.4	672.3	681.3
47.5°	548.8	574.7	611.6	644.4	657.4
50°	514.0	542.8	583.7	613.6	630.5
52.5°	482.1	509.0	550.8	579.7	599.6
55°	444.2	476.1	519.9	552.8	570.7
57.5°	407.4	440.3	486.1	519.9	537.9
60°	371.5	405.4	455.2	489.1	506.0
62.5°	336.7	372.5	417.3	458.2	472.1
65°	297.8	334.7	386.5	424.3	441.2
67.5°	264.0	296.8	352.6	387.5	406.4
70°	225.1	264.0	314.8	354.6	370.5
72.5°	187.3	228.1	280.9	321.7	337.7
75°	152.4	192.2	246.0	285.9	304.8
77.5°	117.5	158.4	213.2	254.0	269.9
80°	81.7	126.5	181.3	222.1	239.1
82.5°	51.8	97.6	154.4	193.2	209.2
85°	26.9	73.7	129.5	170.3	185.3
87.5°	9.0	55.8	111.6	151.4	166.3
90°	1.0	46.8	101.6	141.4	156.4
92.5°	0.0	44.8	98.6	136.5	150.4
95°	0.0	42.8	95.6	132.5	146.4
97.5°	0.0	41.8	91.6	128.5	142.4
100°	0.0	39.8	89.6	125.5	138.5
102.5°	0.0	38.8	86.7	121.5	134.5
105°	0.0	37.8	83.7	117.5	130.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	33.9	75.7	106.6	117.5
115°	1.0	32.9	72.7	101.6	112.6
117.5°	1.0	30.9	70.7	97.6	107.6
120°	1.0	29.9	67.7	94.6	103.6
122.5°	1.0	28.9	64.7	89.6	99.6
125°	1.0	26.9	61.8	85.7	94.6
127.5°	1.0	24.9	58.8	81.7	89.6
130°	1.0	23.9	55.8	76.7	85.7
132.5°	1.0	21.9	52.8	73.7	80.7
135°	1.0	20.9	49.8	68.7	76.7
137.5°	1.0	18.9	46.8	64.7	71.7
140°	1.0	16.9	42.8	60.8	66.7
142.5°	1.0	15.9	39.8	55.8	61.8
145°	2.0	13.9	35.9	50.8	56.8
147.5°	2.0	12.9	31.9	46.8	51.8
150°	2.0	11.0	27.9	41.8	46.8
152.5°	2.0	10.0	24.9	36.9	41.8
155°	2.0	8.0	20.9	32.9	35.9
157.5°	2.0	7.0	17.9	27.9	31.9
160°	2.0	6.0	14.9	23.9	26.9
162.5°	2.0	5.0	12.0	18.9	21.9
165°	2.0	4.0	9.0	13.9	16.9
167.5°	2.0	3.0	7.0	10.0	12.9
170°	2.0	3.0	5.0	7.0	10.0
172.5°	2.0	2.0	3.0	4.0	6.0
175°	2.0	2.0	2.0	2.0	2.0
177.5°	2.0	2.0	1.0	1.0	0.0
180°	1.0	1.0	1.0	1.0	1.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	35.9	81.7	113.5	125.5
110°	1.0	34.9	78.7	109.6	121.5



(END OF REPORT)