

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: P709702

Luminaire Tested: **2AWS-L3C39-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709702
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-L3C39-SQR-UNV-5000K-HI
Description: 2foot, Adapt Surface Wrap with, SQR lens and HI lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

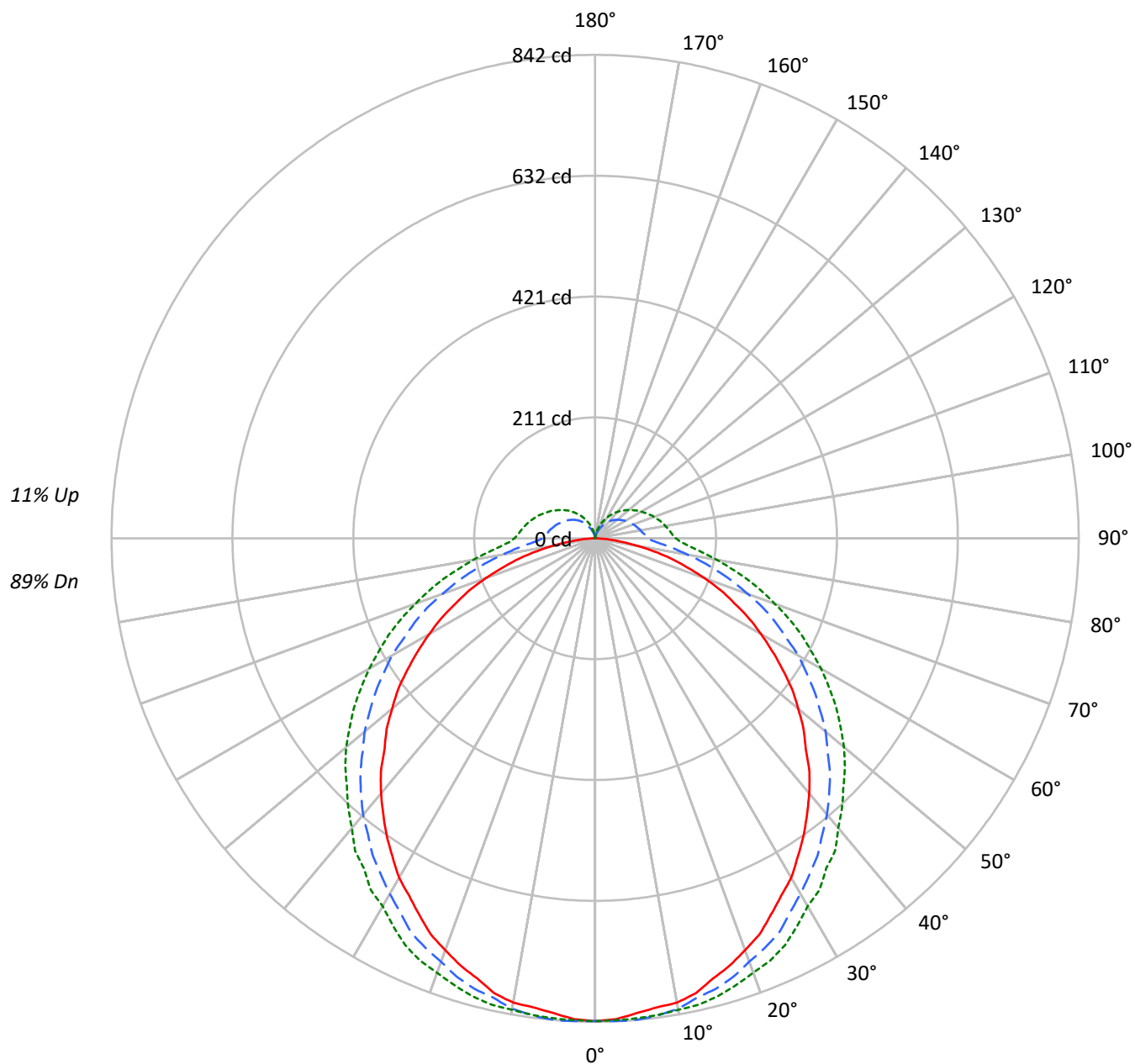
Lumens per Lamp: N/A
Luminaire Lumens: 2935.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): 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					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	116	116	116	116		112	112	112	112		105	105	105		98	98	98		92	92	92
1	105	100	95	91		101	96	92	88		90	87	83		84	82	79		79	77	75
2	95	86	79	73		91	83	77	71		78	73	68		73	69	65		69	65	62
3	86	75	67	60		83	73	65	59		68	62	56		64	59	54		60	56	52
4	79	67	57	51		76	64	56	50		61	53	48		57	51	46		54	48	44
5	72	59	50	43		69	57	49	43		54	47	41		51	45	40		48	43	38
6	67	53	44	38		64	52	43	37		49	41	36		46	40	35		43	38	34
7	62	48	39	33		59	47	38	33		44	37	32		42	35	31		40	34	30
8	57	44	35	29		55	43	35	29		40	33	28		38	32	27		36	31	27
9	54	40	32	26		52	39	31	26		37	30	25		35	29	25		34	28	24
10	50	37	29	24		48	36	29	23		34	28	23		33	27	22		31	26	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11508	11508	11508
5°	11336	11333	11270
10°	11273	11104	11078
15°	11035	10830	10935
20°	10837	10530	10710
25°	10584	10317	10527
30°	10369	9953	10162
35°	10076	9685	9910
40°	9785	9381	9653
45°	9374	9067	9382
50°	9061	8717	9187
55°	8643	8341	8901
60°	8136	7953	8558
65°	7520	7476	8220
70°	6776	6876	7749
75°	5727	6231	7327
80°	4132	5508	6817
85°	2100	4964	6554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	2.7
10°-20°	228.8	7.8
20°-30°	347.0	11.8
30°-40°	420.0	14.3
40°-50°	442.2	15.1
50°-60°	411.8	14.0
60°-70°	335.9	11.4
70°-80°	226.5	7.7
80°-90°	121.7	4.1
90°-100°	84.4	2.9
100°-110°	72.2	2.5
110°-120°	58.9	2.0
120°-130°	44.8	1.5
130°-140°	31.0	1.1
140°-150°	18.5	0.6
150°-160°	8.6	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
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0°-30°	655.6	22.3
0°-40°	1075.6	36.6
0°-60°	1929.6	65.7
0°-90°	2613.8	89.1
90°-120°	215.5	7.3
90°-150°	309.8	10.6
90°-180°	321.0	10.9
0°-180°	2935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	830	839	842	842	839	79
15°	794	803	812	820	826	224
25°	724	738	758	765	782	334
35°	633	648	675	694	702	396
45°	518	543	578	603	611	402
55°	399	427	466	496	512	356
65°	267	300	347	381	396	266
75°	137	172	221	256	274	144
85°	24	66	116	153	166	30
90°	1	42	91	127	140	1
95°	0	38	86	119	131	0
105°	0	34	75	106	117	0
115°	1	30	65	91	101	1
125°	1	24	55	77	85	1
135°	1	19	45	62	69	1
145°	2	12	32	46	51	1
155°	2	7	19	30	32	1
165°	2	4	8	12	15	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°	841.0	841.0	841.0	841.0	841.0
2.5°	838.3	839.2	841.9	844.6	840.1
5°	830.3	839.2	841.9	841.9	839.2
7.5°	824.0	832.1	838.3	836.5	837.4
10°	821.3	825.8	832.1	836.5	833.9
12.5°	811.5	814.2	819.6	826.7	832.1
15°	793.6	802.6	812.4	819.6	825.8
17.5°	780.2	788.3	800.8	807.0	816.0
20°	763.2	772.2	784.7	798.1	805.3
22.5°	747.2	755.2	772.2	781.1	796.3
25°	723.9	738.2	757.9	765.0	782.0
27.5°	701.6	717.7	734.6	754.3	761.5
30°	682.8	694.4	715.0	732.0	740.0
32.5°	656.9	673.0	694.4	715.0	726.6
35°	632.8	648.0	674.8	694.4	701.6
37.5°	605.9	622.9	649.7	673.0	686.4
40°	580.0	598.8	628.3	650.6	658.7
42.5°	552.3	572.0	603.3	629.2	636.3
45°	518.4	543.4	578.2	603.3	611.3
47.5°	492.4	515.7	548.8	578.2	589.9
50°	461.2	487.1	523.7	550.5	565.7
52.5°	432.6	456.7	494.2	520.2	538.0
55°	398.6	427.2	466.5	496.0	512.1
57.5°	365.5	395.0	436.1	466.5	482.6
60°	333.4	363.7	408.4	438.8	454.0
62.5°	302.1	334.3	374.5	411.1	423.6
65°	267.2	300.3	346.8	380.7	395.9
67.5°	236.8	266.3	316.4	347.7	364.6
70°	202.0	236.8	282.4	318.2	332.5
72.5°	168.0	204.7	252.0	288.7	303.0
75°	136.7	172.5	220.8	256.5	273.5
77.5°	105.5	142.1	191.3	227.9	242.2
80°	73.3	113.5	162.7	199.3	214.5
82.5°	46.5	87.6	138.5	173.4	187.7
85°	24.1	66.1	116.2	152.8	166.2
87.5°	8.0	50.0	100.1	135.8	149.3
90°	0.9	42.0	91.2	126.9	140.3
92.5°	0.0	40.2	88.5	122.4	135.0
95°	0.0	38.4	85.8	118.9	131.4
97.5°	0.0	37.5	82.2	115.3	127.8
100°	0.0	35.7	80.4	112.6	124.2
102.5°	0.0	34.9	77.8	109.0	120.7
105°	0.0	34.0	75.1	105.5	117.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	30.4	67.9	95.6	105.5
115°	0.9	29.5	65.2	91.2	101.0
117.5°	0.9	27.7	63.5	87.6	96.5
120°	0.9	26.8	60.8	84.9	92.9
122.5°	0.9	25.9	58.1	80.4	89.4
125°	0.9	24.1	55.4	76.9	84.9
127.5°	0.9	22.3	52.7	73.3	80.4
130°	0.9	21.4	50.0	68.8	76.9
132.5°	0.9	19.7	47.4	66.1	72.4
135°	0.9	18.8	44.7	61.7	68.8
137.5°	0.9	17.0	42.0	58.1	64.3
140°	0.9	15.2	38.4	54.5	59.9
142.5°	0.9	14.3	35.7	50.0	55.4
145°	1.8	12.5	32.2	45.6	50.9
147.5°	1.8	11.6	28.6	42.0	46.5
150°	1.8	9.8	25.0	37.5	42.0
152.5°	1.8	8.9	22.3	33.1	37.5
155°	1.8	7.1	18.8	29.5	32.2
157.5°	1.8	6.3	16.1	25.0	28.6
160°	1.8	5.4	13.4	21.4	24.1
162.5°	1.8	4.5	10.7	17.0	19.7
165°	1.8	3.6	8.0	12.5	15.2
167.5°	1.8	2.7	6.3	8.9	11.6
170°	1.8	2.7	4.5	6.3	8.9
172.5°	1.8	1.8	2.7	3.6	5.4
175°	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	0.9	0.9	0.0
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	32.2	73.3	101.9	112.6
110°	0.9	31.3	70.6	98.3	109.0



(END OF REPORT)