

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: P709888

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709888
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-HI
Description: 8foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

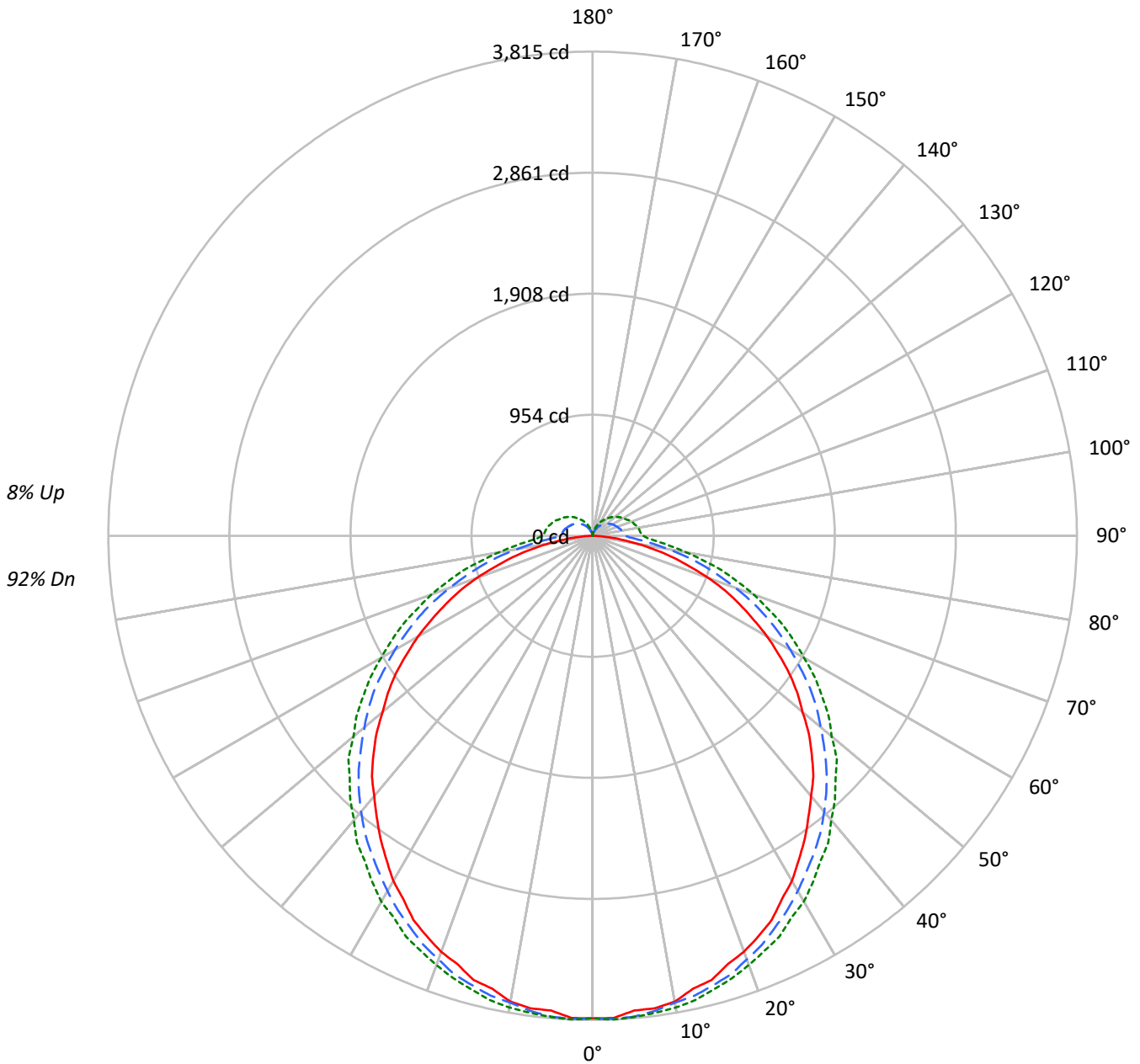
Lumens per Lamp: N/A
Luminaire Lumens: 12461.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 85
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	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	92	92	92	92	92	92	92	92	92	92																
	1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	76	76	76	76	76	76	76	76	76	76	76																
	2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	62	62	62	62	62	62	62	62	62	62	62	62															
	3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	52	52	52	52	52	52	52	52	52	52	52	52															
	4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	44	44	44	44	44	44	44	44	44	44	44	44															
	5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	38	38	38	38	38	38	38	38	38	38	38	38															
	6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33	33	33	33	33	33	33	33	33	33	33	33															
	7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29	29	29	29	29	29	29	29	29	29	29	29															
	8	58	45	36	30	56	44	36	30	42	34	29	40	33	29	38	32	28	26	26	26	26	26	26	26	26	26	26	26	26															
	9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	23	23	23	23	23	23	23	23	23	23	23	23															
	10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	21	21	21	21	21	21	21	21	21	21	21	21															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6646	6646	6646
5°	6574	6579	6561
10°	6588	6445	6466
15°	6516	6361	6345
20°	6433	6239	6230
25°	6372	6105	6132
30°	6255	5968	6006
35°	6117	5838	5838
40°	5993	5702	5694
45°	5901	5547	5550
50°	5714	5352	5372
55°	5581	5180	5202
60°	5339	4918	4962
65°	5033	4637	4735
70°	4642	4241	4410
75°	4046	3787	4032
80°	3092	3170	3475
85°	1902	2592	3065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.4	2.9
10°-20°	1034.3	8.3
20°-30°	1572.0	12.6
30°-40°	1904.2	15.3
40°-50°	2002.2	16.1
50°-60°	1850.7	14.9
60°-70°	1472.9	11.8
70°-80°	927.1	7.4
80°-90°	401.7	3.2
90°-100°	238.2	1.9
100°-110°	209.7	1.7
110°-120°	173.2	1.4
120°-130°	132.7	1.1
130°-140°	92.6	0.7
140°-150°	54.8	0.4
150°-160°	25.7	0.2
160°-170°	7.6	0.1
170°-180°	0.8	0.0
0°-30°	2966.7	23.8
0°-40°	4870.9	39.1
0°-60°	8723.9	70.0
0°-90°	11525.6	92.5
90°-120°	621.1	5.0
90°-150°	901.3	7.2
90°-180°	935.0	7.5
0°-180°	12461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3803	3803	3803	3803	3803	
5°	3755	3787	3803	3799	3807	359
15°	3623	3619	3667	3691	3699	1019
25°	3340	3356	3404	3467	3483	1534
35°	2913	2973	3044	3120	3128	1822
45°	2442	2514	2606	2681	2705	1881
55°	1891	1983	2091	2183	2206	1684
65°	1277	1385	1508	1608	1648	1265
75°	650	770	898	1002	1053	686
85°	120	227	367	471	511	146
90°	4	116	255	355	395	7
95°	0	104	239	339	375	0
105°	0	96	220	307	343	0
115°	0	84	192	271	299	0
125°	4	68	164	231	255	2
135°	4	56	132	184	208	3
145°	0	36	96	136	152	2
155°	4	20	60	88	100	2
165°	4	8	24	40	48	1
175°	4	4	4	8	8	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3802.6	3802.6	3802.6	3802.6	3802.6
2.5°	3802.6	3774.7	3810.6	3806.6	3814.6
5°	3754.7	3786.6	3802.6	3798.6	3806.6
7.5°	3754.7	3754.7	3774.7	3786.6	3790.6
10°	3726.8	3742.7	3734.8	3754.7	3774.7
12.5°	3655.0	3698.8	3710.8	3754.7	3746.7
15°	3623.0	3619.0	3666.9	3690.9	3698.8
17.5°	3539.2	3571.2	3623.0	3647.0	3655.0
20°	3487.4	3519.3	3551.2	3603.1	3599.1
22.5°	3415.5	3443.5	3487.4	3535.3	3539.2
25°	3339.7	3355.7	3403.6	3467.4	3483.4
27.5°	3228.0	3279.9	3323.8	3407.6	3391.6
30°	3140.2	3176.1	3232.0	3311.8	3327.8
32.5°	3024.5	3096.3	3136.2	3208.1	3232.0
35°	2912.8	2972.6	3044.5	3120.3	3128.3
37.5°	2793.1	2876.9	2948.7	3028.5	3048.5
40°	2677.4	2749.2	2837.0	2908.8	2924.8
42.5°	2573.6	2641.5	2725.3	2817.0	2825.0
45°	2442.0	2513.8	2605.6	2681.4	2705.3
47.5°	2310.3	2394.1	2473.9	2565.7	2609.5
50°	2158.7	2254.4	2346.2	2438.0	2457.9
52.5°	2031.0	2110.8	2222.5	2314.3	2346.2
55°	1891.3	1983.1	2090.8	2182.6	2206.5
57.5°	1735.7	1823.5	1939.2	2039.0	2074.9
60°	1588.1	1683.8	1799.5	1899.3	1923.2
62.5°	1428.5	1536.2	1651.9	1755.7	1783.6
65°	1276.8	1384.6	1508.3	1608.0	1647.9
67.5°	1129.2	1232.9	1356.6	1456.4	1488.3
70°	965.6	1069.4	1197.0	1308.8	1348.7
72.5°	798.0	909.7	1041.4	1161.1	1193.0
75°	650.4	770.1	897.8	1001.5	1053.4
77.5°	498.8	602.5	750.1	849.9	889.8
80°	347.1	466.8	602.5	714.2	746.2
82.5°	223.4	339.2	478.8	578.6	618.5
85°	119.7	227.4	367.1	470.8	510.7
87.5°	39.9	151.6	291.3	391.0	434.9
90°	4.0	115.7	255.4	355.1	395.0
92.5°	0.0	107.7	243.4	339.2	383.1
95°	0.0	103.7	239.4	339.2	375.1
97.5°	0.0	103.7	235.4	335.2	371.1
100°	0.0	99.8	231.4	323.2	363.1
102.5°	0.0	95.8	227.4	319.2	355.1
105°	0.0	95.8	219.5	307.2	343.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	83.8	199.5	283.3	315.2
115°	0.0	83.8	191.5	271.3	299.3
117.5°	0.0	79.8	187.5	263.3	287.3
120°	0.0	75.8	179.6	251.4	279.3
122.5°	0.0	71.8	171.6	239.4	267.3
125°	4.0	67.8	163.6	231.4	255.4
127.5°	4.0	63.8	155.6	219.5	243.4
130°	4.0	63.8	147.6	207.5	231.4
132.5°	4.0	59.9	139.7	195.5	219.5
135°	4.0	55.9	131.7	183.5	207.5
137.5°	4.0	51.9	123.7	175.6	191.5
140°	0.0	47.9	115.7	159.6	179.6
142.5°	4.0	39.9	103.7	151.6	163.6
145°	0.0	35.9	95.8	135.7	151.6
147.5°	4.0	31.9	87.8	123.7	139.7
150°	4.0	27.9	79.8	111.7	127.7
152.5°	4.0	23.9	67.8	99.8	111.7
155°	4.0	20.0	59.9	87.8	99.8
157.5°	4.0	16.0	47.9	75.8	83.8
160°	4.0	16.0	39.9	63.8	71.8
162.5°	4.0	12.0	31.9	51.9	59.9
165°	4.0	8.0	23.9	39.9	47.9
167.5°	4.0	8.0	16.0	31.9	35.9
170°	4.0	8.0	12.0	20.0	23.9
172.5°	4.0	4.0	8.0	12.0	16.0
175°	4.0	4.0	4.0	8.0	8.0
177.5°	4.0	4.0	4.0	4.0	4.0
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	91.8	211.5	295.3	335.2
110°	0.0	87.8	207.5	287.3	323.2



(END OF REPORT)