

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: P709782

Luminaire Tested: **8AWS-L3C3-SQR-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709782
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: 8AWS-L3C3-SQR-UNV-4000K-MID
Description: 8foot, Adapt Surface Wrap with, SQR lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

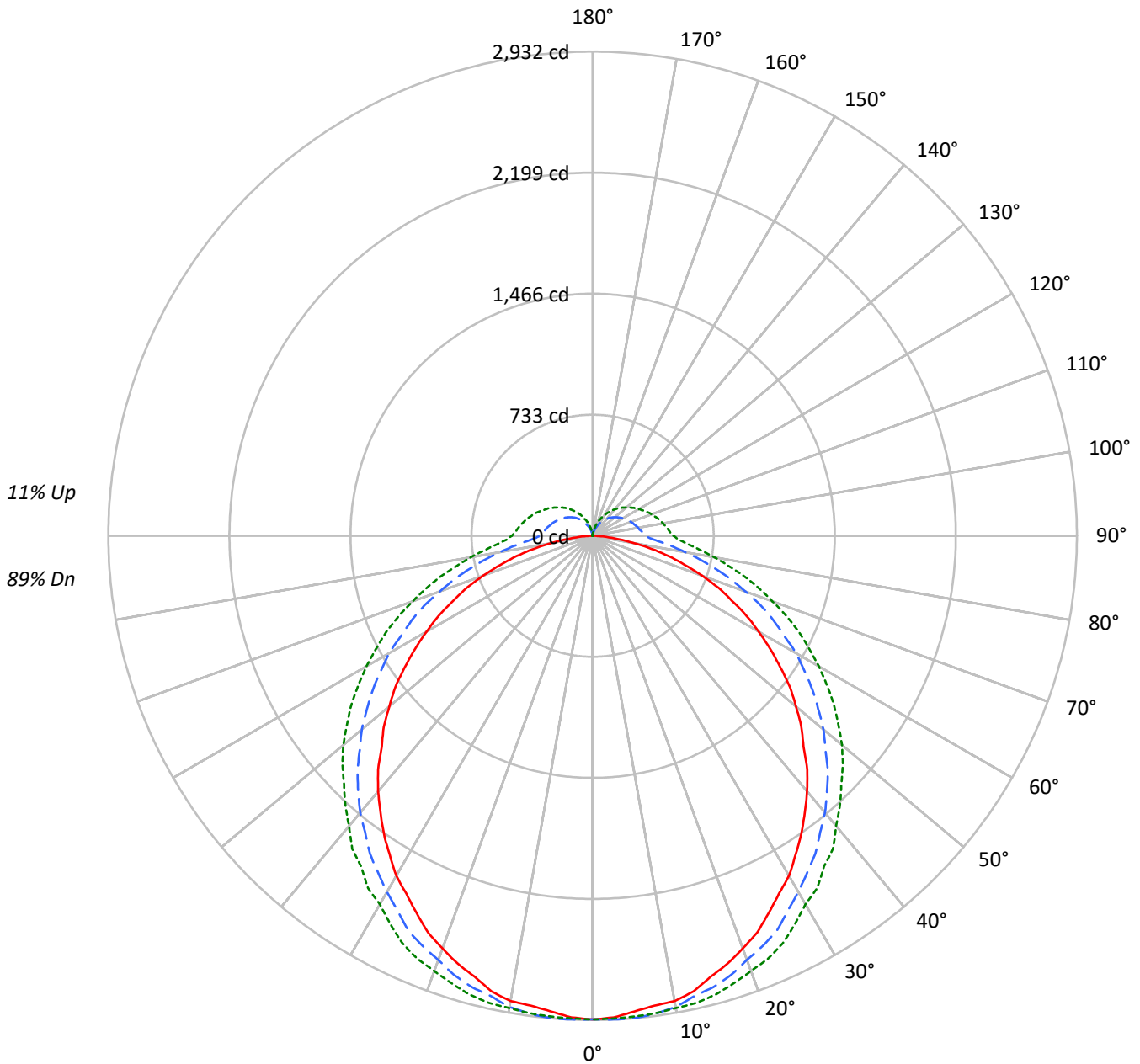
Lumens per Lamp: N/A
Luminaire Lumens: 10221.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 70
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°	9236	9236	9236
5°	9140	9125	9045
10°	9133	8969	8890
15°	8984	8776	8776
20°	8868	8561	8595
25°	8706	8415	8448
30°	8579	8146	8156
35°	8389	7955	7953
40°	8204	7736	7747
45°	7923	7510	7530
50°	7730	7255	7373
55°	7460	6980	7144
60°	7123	6699	6869
65°	6711	6345	6598
70°	6210	5895	6219
75°	5472	5411	5880
80°	4245	4874	5471
85°	2565	4520	5261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.9	2.7
10°-20°	796.8	7.8
20°-30°	1208.4	11.8
30°-40°	1462.6	14.3
40°-50°	1539.8	15.1
50°-60°	1434.3	14.0
60°-70°	1169.9	11.4
70°-80°	788.8	7.7
80°-90°	423.9	4.1
90°-100°	293.8	2.9
100°-110°	251.5	2.5
110°-120°	205.2	2.0
120°-130°	156.0	1.5
130°-140°	108.0	1.1
140°-150°	64.4	0.6
150°-160°	30.0	0.3
160°-170°	8.8	0.1
170°-180°	0.9	0.0
0°-30°	2283.1	22.3
0°-40°	3745.7	36.6
0°-60°	6719.8	65.7
0°-90°	9102.4	89.1
90°-120°	750.5	7.3
90°-150°	1078.9	10.6
90°-180°	1119.0	10.9
0°-180°	10221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2929	2929	2929	2929	2929	
5°	2891	2922	2932	2932	2922	275
15°	2764	2795	2829	2854	2876	781
25°	2521	2571	2639	2664	2723	1163
35°	2204	2256	2350	2418	2443	1378
45°	1805	1892	2014	2101	2129	1401
55°	1388	1488	1625	1727	1783	1241
65°	931	1046	1208	1326	1379	925
75°	476	601	769	893	952	503
85°	84	230	405	532	579	105
90°	3	146	318	442	489	5
95°	0	134	299	414	458	0
105°	0	118	261	367	408	0
115°	3	103	227	318	352	3
125°	3	84	193	268	296	3
135°	3	65	156	215	240	2
145°	6	44	112	159	177	3
155°	6	25	65	103	112	3
165°	6	12	28	44	53	2
175°	6	6	6	6	6	1
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2928.7	2928.7	2928.7	2928.7	2928.7
2.5°	2919.4	2922.5	2931.9	2941.2	2925.6
5°	2891.4	2922.5	2931.9	2931.9	2922.5
7.5°	2869.6	2897.6	2919.4	2913.2	2916.3
10°	2860.3	2875.8	2897.6	2913.2	2903.8
12.5°	2826.0	2835.4	2854.0	2878.9	2897.6
15°	2763.8	2794.9	2829.1	2854.0	2875.8
17.5°	2717.1	2745.1	2788.7	2810.5	2841.6
20°	2658.0	2689.1	2732.7	2779.4	2804.2
22.5°	2601.9	2630.0	2689.1	2720.2	2773.1
25°	2521.0	2570.8	2639.3	2664.2	2723.3
27.5°	2443.2	2499.2	2558.4	2626.8	2651.7
30°	2377.9	2418.3	2489.9	2549.0	2577.0
32.5°	2287.6	2343.6	2418.3	2489.9	2530.4
35°	2203.6	2256.5	2349.8	2418.3	2443.2
37.5°	2110.2	2169.3	2262.7	2343.6	2390.3
40°	2019.9	2085.3	2188.0	2265.8	2293.8
42.5°	1923.4	1991.9	2100.9	2191.1	2216.0
45°	1805.2	1892.3	2013.7	2100.9	2128.9
47.5°	1714.9	1795.8	1911.0	2013.7	2054.2
50°	1606.0	1696.2	1823.9	1917.2	1970.1
52.5°	1506.4	1590.4	1721.1	1811.4	1873.6
55°	1388.1	1487.7	1624.7	1727.4	1783.4
57.5°	1273.0	1375.7	1518.8	1624.7	1680.7
60°	1160.9	1266.7	1422.4	1528.2	1581.1
62.5°	1052.0	1164.0	1304.1	1431.7	1475.3
65°	930.6	1045.8	1207.6	1325.9	1378.8
67.5°	824.8	927.5	1101.8	1210.7	1269.8
70°	703.4	824.8	983.5	1108.0	1157.8
72.5°	585.1	712.7	877.7	1005.3	1055.1
75°	476.2	600.7	768.8	893.3	952.4
77.5°	367.3	494.9	666.0	793.7	843.5
80°	255.2	395.3	566.5	694.1	747.0
82.5°	161.8	305.0	482.4	603.8	653.6
85°	84.0	230.3	404.6	532.2	578.9
87.5°	28.0	174.3	348.6	473.1	519.8
90°	3.1	146.3	317.5	442.0	488.6
92.5°	0.0	140.1	308.1	426.4	470.0
95°	0.0	133.8	298.8	413.9	457.5
97.5°	0.0	130.7	286.3	401.5	445.1
100°	0.0	124.5	280.1	392.2	432.6
102.5°	0.0	121.4	270.8	379.7	420.2
105°	0.0	118.3	261.4	367.3	407.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	105.8	236.5	333.0	367.3
115°	3.1	102.7	227.2	317.5	351.7
117.5°	3.1	96.5	221.0	305.0	336.1
120°	3.1	93.4	211.6	295.7	323.7
122.5°	3.1	90.3	202.3	280.1	311.2
125°	3.1	84.0	193.0	267.7	295.7
127.5°	3.1	77.8	183.6	255.2	280.1
130°	3.1	74.7	174.3	239.7	267.7
132.5°	3.1	68.5	165.0	230.3	252.1
135°	3.1	65.4	155.6	214.8	239.7
137.5°	3.1	59.1	146.3	202.3	224.1
140°	3.1	52.9	133.8	189.9	208.5
142.5°	3.1	49.8	124.5	174.3	193.0
145°	6.2	43.6	112.0	158.7	177.4
147.5°	6.2	40.5	99.6	146.3	161.8
150°	6.2	34.2	87.1	130.7	146.3
152.5°	6.2	31.1	77.8	115.2	130.7
155°	6.2	24.9	65.4	102.7	112.0
157.5°	6.2	21.8	56.0	87.1	99.6
160°	6.2	18.7	46.7	74.7	84.0
162.5°	6.2	15.6	37.3	59.1	68.5
165°	6.2	12.4	28.0	43.6	52.9
167.5°	6.2	9.3	21.8	31.1	40.5
170°	6.2	9.3	15.6	21.8	31.1
172.5°	6.2	6.2	9.3	12.4	18.7
175°	6.2	6.2	6.2	6.2	6.2
177.5°	6.2	6.2	3.1	3.1	0.0
180°	3.1	3.1	3.1	3.1	3.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	112.0	255.2	354.8	392.2
110°	3.1	108.9	245.9	342.4	379.7



(END OF REPORT)