

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: P709796

Luminaire Tested: **8AWS-L3C39-CA-UNV-3000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWS-L3C39-CA-UNV-3000K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

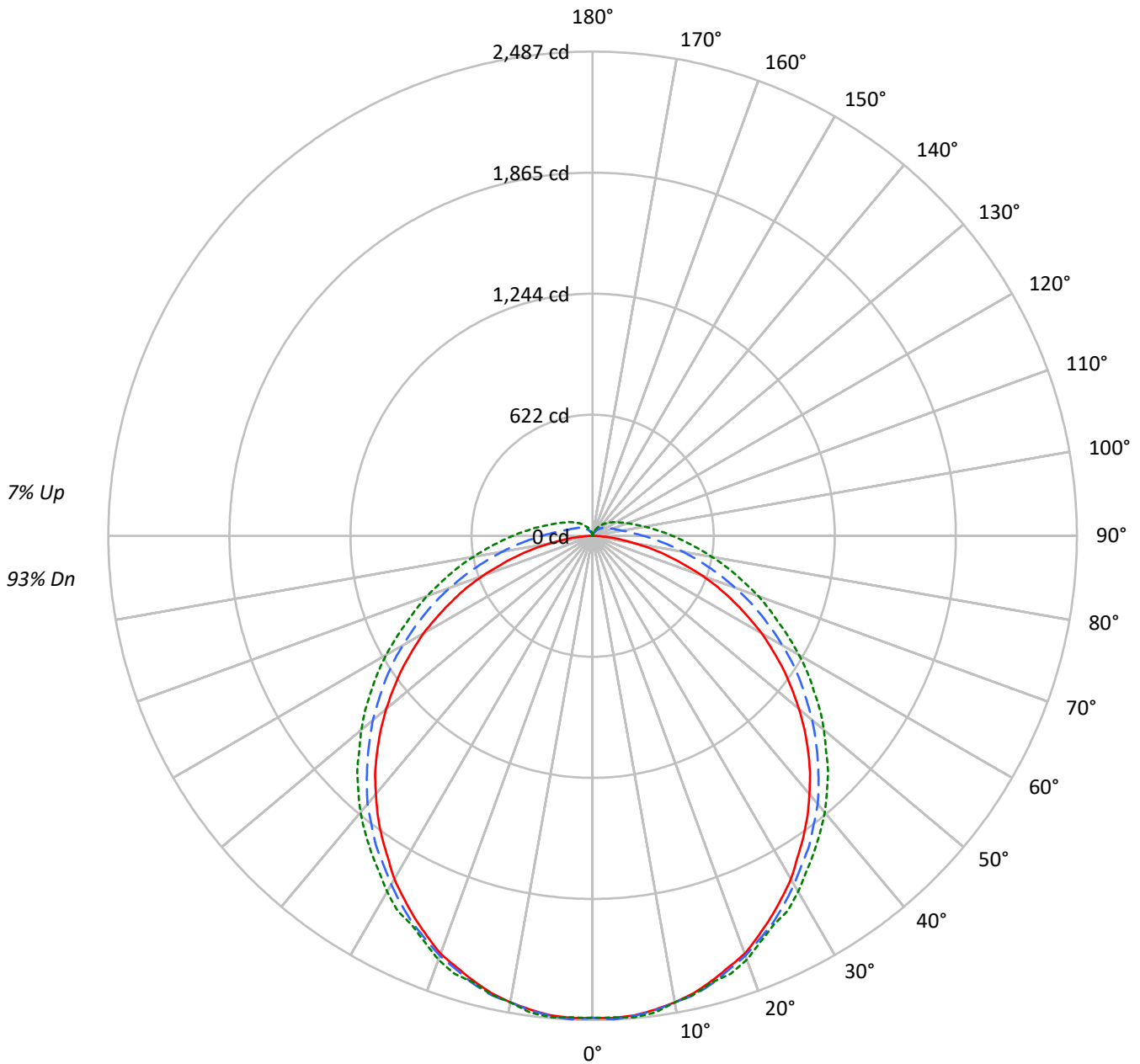
Lumens per Lamp: N/A
Luminaire Lumens: 8020.0 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 57
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	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	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	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7808	7808	7808
5°	7816	7706	7685
10°	7771	7533	7450
15°	7692	7384	7242
20°	7622	7190	7100
25°	7473	6990	6834
30°	7346	6766	6680
35°	7184	6569	6455
40°	7031	6359	6266
45°	6866	6099	6048
50°	6659	5855	5802
55°	6424	5593	5556
60°	6159	5296	5317
65°	5756	4996	5042
70°	5293	4657	4859
75°	4606	4320	4665
80°	3600	4059	4547
85°	2275	3923	4577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	2.9
10°-20°	670.3	8.4
20°-30°	1008.5	12.6
30°-40°	1211.1	15.1
40°-50°	1261.2	15.7
50°-60°	1158.8	14.4
60°-70°	930.7	11.6
70°-80°	634.5	7.9
80°-90°	360.6	4.5
90°-100°	202.0	2.5
100°-110°	127.8	1.6
110°-120°	87.2	1.1
120°-130°	59.9	0.7
130°-140°	38.1	0.5
140°-150°	21.2	0.3
150°-160°	9.6	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	1913.7	23.9
0°-40°	3124.9	39.0
0°-60°	5544.8	69.1
0°-90°	7470.6	93.2
90°-120°	417.0	5.2
90°-150°	536.3	6.7
90°-180°	549.0	6.8
0°-180°	8020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2476	2476	2476	2476	2476	
5°	2472	2476	2476	2480	2483	235
15°	2366	2362	2380	2387	2373	668
25°	2164	2164	2192	2214	2203	997
35°	1887	1898	1940	1969	1983	1181
45°	1564	1582	1635	1685	1710	1206
55°	1195	1231	1302	1362	1387	1067
65°	798	858	951	1022	1054	792
75°	401	486	614	717	756	424
85°	74	192	351	465	504	92
90°	4	114	259	365	408	4
95°	0	71	195	294	330	0
105°	0	46	124	195	224	0
115°	0	36	92	142	160	0
125°	4	25	71	106	121	2
135°	4	21	53	78	89	3
145°	4	14	36	53	57	2
155°	4	11	21	32	36	2
165°	4	7	11	14	18	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2476.0	2476.0	2476.0	2476.0	2476.0
2.5°	2479.6	2476.0	2486.7	2483.1	2476.0
5°	2472.5	2476.0	2476.0	2479.6	2483.1
7.5°	2454.7	2447.6	2458.3	2468.9	2468.9
10°	2433.5	2426.4	2433.5	2440.6	2433.5
12.5°	2405.1	2390.9	2415.7	2415.7	2412.2
15°	2366.1	2362.5	2380.3	2387.3	2373.2
17.5°	2323.5	2334.1	2334.1	2348.3	2359.0
20°	2284.5	2277.4	2295.1	2305.8	2316.4
22.5°	2224.2	2220.6	2241.9	2259.6	2256.1
25°	2163.9	2163.9	2192.2	2213.5	2202.9
27.5°	2100.0	2100.0	2131.9	2153.2	2171.0
30°	2036.2	2043.3	2068.1	2096.5	2110.7
32.5°	1958.1	1975.9	2000.7	2039.7	2043.3
35°	1887.2	1897.8	1940.4	1968.8	1983.0
37.5°	1812.7	1816.2	1865.9	1904.9	1919.1
40°	1731.1	1738.2	1798.5	1834.0	1855.2
42.5°	1653.1	1660.1	1716.9	1763.0	1780.8
45°	1564.4	1582.1	1635.3	1685.0	1709.8
47.5°	1475.7	1500.5	1553.7	1610.5	1624.7
50°	1383.5	1408.3	1472.1	1518.3	1550.2
52.5°	1287.7	1319.6	1383.5	1443.8	1472.1
55°	1195.4	1230.9	1301.9	1362.2	1387.0
57.5°	1096.1	1138.7	1216.7	1280.6	1309.0
60°	1003.9	1039.4	1124.5	1191.9	1223.8
62.5°	897.5	943.6	1035.8	1110.3	1138.7
65°	798.1	858.5	950.7	1021.6	1053.6
67.5°	702.4	762.7	865.5	940.0	979.1
70°	599.5	666.9	776.9	862.0	904.6
72.5°	493.1	571.1	695.3	791.1	826.5
75°	400.8	486.0	613.7	716.6	755.6
77.5°	308.6	397.3	539.2	645.6	688.2
80°	216.4	315.7	471.8	581.8	620.8
82.5°	141.9	251.9	407.9	517.9	560.5
85°	74.5	191.6	351.2	464.7	503.7
87.5°	24.8	145.4	301.5	415.0	454.1
90°	3.5	113.5	259.0	365.4	407.9
92.5°	0.0	88.7	223.5	329.9	368.9
95°	0.0	70.9	195.1	294.4	329.9
97.5°	0.0	60.3	173.8	262.5	301.5
100°	0.0	53.2	152.5	237.7	269.6
102.5°	0.0	49.7	138.3	212.8	244.8
105°	0.0	46.1	124.2	195.1	223.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.5	99.3	152.5	173.8
115°	0.0	35.5	92.2	141.9	159.6
117.5°	0.0	31.9	88.7	131.3	149.0
120°	0.0	28.4	81.6	124.2	141.9
122.5°	0.0	28.4	74.5	117.1	131.3
125°	3.5	24.8	70.9	106.4	120.6
127.5°	3.5	24.8	67.4	99.3	113.5
130°	3.5	21.3	60.3	92.2	102.9
132.5°	3.5	21.3	56.8	85.1	95.8
135°	3.5	21.3	53.2	78.0	88.7
137.5°	3.5	17.7	46.1	70.9	81.6
140°	3.5	17.7	42.6	63.9	74.5
142.5°	3.5	17.7	39.0	56.8	67.4
145°	3.5	14.2	35.5	53.2	56.8
147.5°	3.5	14.2	31.9	46.1	53.2
150°	3.5	10.6	28.4	39.0	46.1
152.5°	3.5	10.6	24.8	35.5	39.0
155°	3.5	10.6	21.3	31.9	35.5
157.5°	3.5	10.6	17.7	28.4	28.4
160°	3.5	7.1	14.2	21.3	24.8
162.5°	3.5	7.1	14.2	17.7	21.3
165°	3.5	7.1	10.6	14.2	17.7
167.5°	3.5	3.5	7.1	10.6	14.2
170°	3.5	3.5	7.1	7.1	10.6
172.5°	3.5	3.5	3.5	3.5	7.1
175°	3.5	3.5	3.5	3.5	3.5
177.5°	3.5	3.5	3.5	0.0	0.0
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	42.6	<i>117.1</i>	177.4	205.7
110°	0.0	39.0	<i>106.4</i>	163.2	188.0



(END OF REPORT)