

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: P709820

Luminaire Tested: **8AWS-L3C39-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709820
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-UNV-5000K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

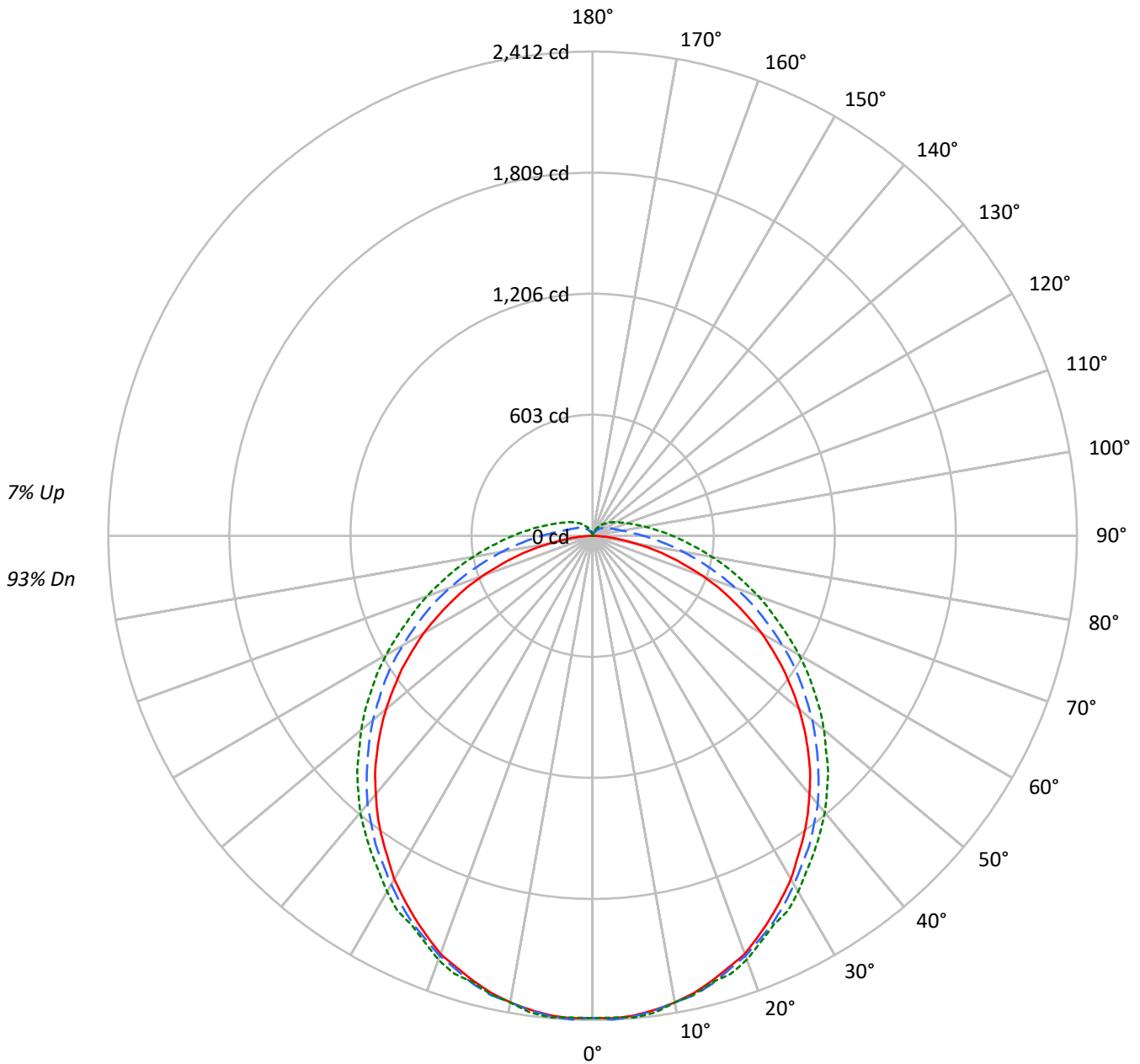
Lumens per Lamp: N/A
Luminaire Lumens: 7780.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 56
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°	7575	7575	7575
5°	7582	7475	7455
10°	7538	7307	7227
15°	7462	7163	7025
20°	7394	6975	6887
25°	7249	6780	6630
30°	7126	6563	6480
35°	6969	6372	6262
40°	6821	6169	6078
45°	6661	5916	5867
50°	6460	5680	5628
55°	6232	5426	5390
60°	5975	5137	5158
65°	5584	4846	4890
70°	5135	4517	4713
75°	4469	4190	4525
80°	3492	3938	4411
85°	2208	3806	4440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	2.9
10°-20°	650.2	8.4
20°-30°	978.3	12.6
30°-40°	1174.9	15.1
40°-50°	1223.4	15.7
50°-60°	1124.1	14.4
60°-70°	902.8	11.6
70°-80°	615.5	7.9
80°-90°	349.8	4.5
90°-100°	195.9	2.5
100°-110°	124.0	1.6
110°-120°	84.6	1.1
120°-130°	58.1	0.7
130°-140°	37.0	0.5
140°-150°	20.6	0.3
150°-160°	9.3	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	1856.5	23.9
0°-40°	3031.3	39.0
0°-60°	5378.9	69.1
0°-90°	7247.1	93.2
90°-120°	404.6	5.2
90°-150°	520.2	6.7
90°-180°	533.0	6.9
0°-180°	7780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2402	2402	2402	2402	2402	
5°	2398	2402	2402	2405	2409	228
15°	2295	2292	2309	2316	2302	648
25°	2099	2099	2127	2147	2137	968
35°	1831	1841	1882	1910	1924	1145
45°	1518	1535	1586	1635	1659	1170
55°	1160	1194	1263	1321	1346	1035
65°	774	833	922	991	1022	768
75°	389	471	595	695	733	412
85°	72	186	341	451	489	89
90°	3	110	251	354	396	4
95°	0	69	189	286	320	0
105°	0	45	120	189	217	0
115°	0	34	90	138	155	0
125°	3	24	69	103	117	2
135°	3	21	52	76	86	3
145°	3	14	34	52	55	2
155°	3	10	21	31	34	2
165°	3	7	10	14	17	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2405.4	2401.9	2412.3	2408.8	2401.9
5°	2398.5	2401.9	2401.9	2405.4	2408.8
7.5°	2381.3	2374.4	2384.7	2395.1	2395.1
10°	2360.6	2353.8	2360.6	2367.5	2360.6
12.5°	2333.1	2319.3	2343.4	2343.4	2340.0
15°	2295.3	2291.8	2309.0	2315.9	2302.1
17.5°	2254.0	2264.3	2264.3	2278.1	2288.4
20°	2216.1	2209.2	2226.4	2236.8	2247.1
22.5°	2157.6	2154.2	2174.8	2192.0	2188.6
25°	2099.1	2099.1	2126.6	2147.3	2137.0
27.5°	2037.2	2037.2	2068.1	2088.8	2106.0
30°	1975.2	1982.1	2006.2	2033.7	2047.5
32.5°	1899.5	1916.7	1940.8	1978.7	1982.1
35°	1830.7	1841.0	1882.3	1909.8	1923.6
37.5°	1758.4	1761.9	1810.1	1847.9	1861.7
40°	1679.3	1686.2	1744.7	1779.1	1799.7
42.5°	1603.6	1610.5	1665.5	1710.3	1727.5
45°	1517.6	1534.8	1586.4	1634.6	1658.6
47.5°	1431.5	1455.6	1507.2	1562.3	1576.1
50°	1342.1	1366.1	1428.1	1472.8	1503.8
52.5°	1249.1	1280.1	1342.1	1400.6	1428.1
55°	1159.7	1194.1	1262.9	1321.4	1345.5
57.5°	1063.3	1104.6	1180.3	1242.3	1269.8
60°	973.8	1008.3	1090.8	1156.2	1187.2
62.5°	870.6	915.3	1004.8	1077.1	1104.6
65°	774.3	832.8	922.2	991.1	1022.0
67.5°	681.4	739.9	839.6	911.9	949.8
70°	581.6	646.9	753.6	836.2	877.5
72.5°	478.3	554.0	674.5	767.4	801.8
75°	388.9	471.4	595.3	695.1	733.0
77.5°	299.4	385.4	523.1	626.3	667.6
80°	209.9	306.3	457.7	564.4	602.2
82.5°	137.6	244.3	395.7	502.4	543.7
85°	72.3	185.8	340.7	450.8	488.6
87.5°	24.1	141.1	292.5	402.6	440.5
90°	3.4	110.1	251.2	354.4	395.7
92.5°	0.0	86.0	216.8	320.0	357.9
95°	0.0	68.8	189.3	285.6	320.0
97.5°	0.0	58.5	168.6	254.6	292.5
100°	0.0	51.6	148.0	230.6	261.5
102.5°	0.0	48.2	134.2	206.5	237.4
105°	0.0	44.7	120.4	189.3	216.8



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CATALOG NUMBER: 8AWS-L3C39-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.4	96.4	148.0	168.6
115°	0.0	34.4	89.5	137.6	154.9
117.5°	0.0	31.0	86.0	127.3	144.5
120°	0.0	27.5	79.1	120.4	137.6
122.5°	0.0	27.5	72.3	113.6	127.3
125°	3.4	24.1	68.8	103.2	117.0
127.5°	3.4	24.1	65.4	96.4	110.1
130°	3.4	20.6	58.5	89.5	99.8
132.5°	3.4	20.6	55.1	82.6	92.9
135°	3.4	20.6	51.6	75.7	86.0
137.5°	3.4	17.2	44.7	68.8	79.1
140°	3.4	17.2	41.3	61.9	72.3
142.5°	3.4	17.2	37.9	55.1	65.4
145°	3.4	13.8	34.4	51.6	55.1
147.5°	3.4	13.8	31.0	44.7	51.6
150°	3.4	10.3	27.5	37.9	44.7
152.5°	3.4	10.3	24.1	34.4	37.9
155°	3.4	10.3	20.6	31.0	34.4
157.5°	3.4	10.3	17.2	27.5	27.5
160°	3.4	6.9	13.8	20.6	24.1
162.5°	3.4	6.9	13.8	17.2	20.6
165°	3.4	6.9	10.3	13.8	17.2
167.5°	3.4	3.4	6.9	10.3	13.8
170°	3.4	3.4	6.9	6.9	10.3
172.5°	3.4	3.4	3.4	3.4	6.9
175°	3.4	3.4	3.4	3.4	3.4
177.5°	3.4	3.4	3.4	0.0	0.0
180°	3.4	3.4	3.4	3.4	3.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	41.3	<i>113.6</i>	172.1	199.6
110°	0.0	37.9	<i>103.2</i>	158.3	182.4



(END OF REPORT)