

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: P709817

Luminaire Tested: **8AWS-L3C39-UNV-4000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709817
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-4000K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

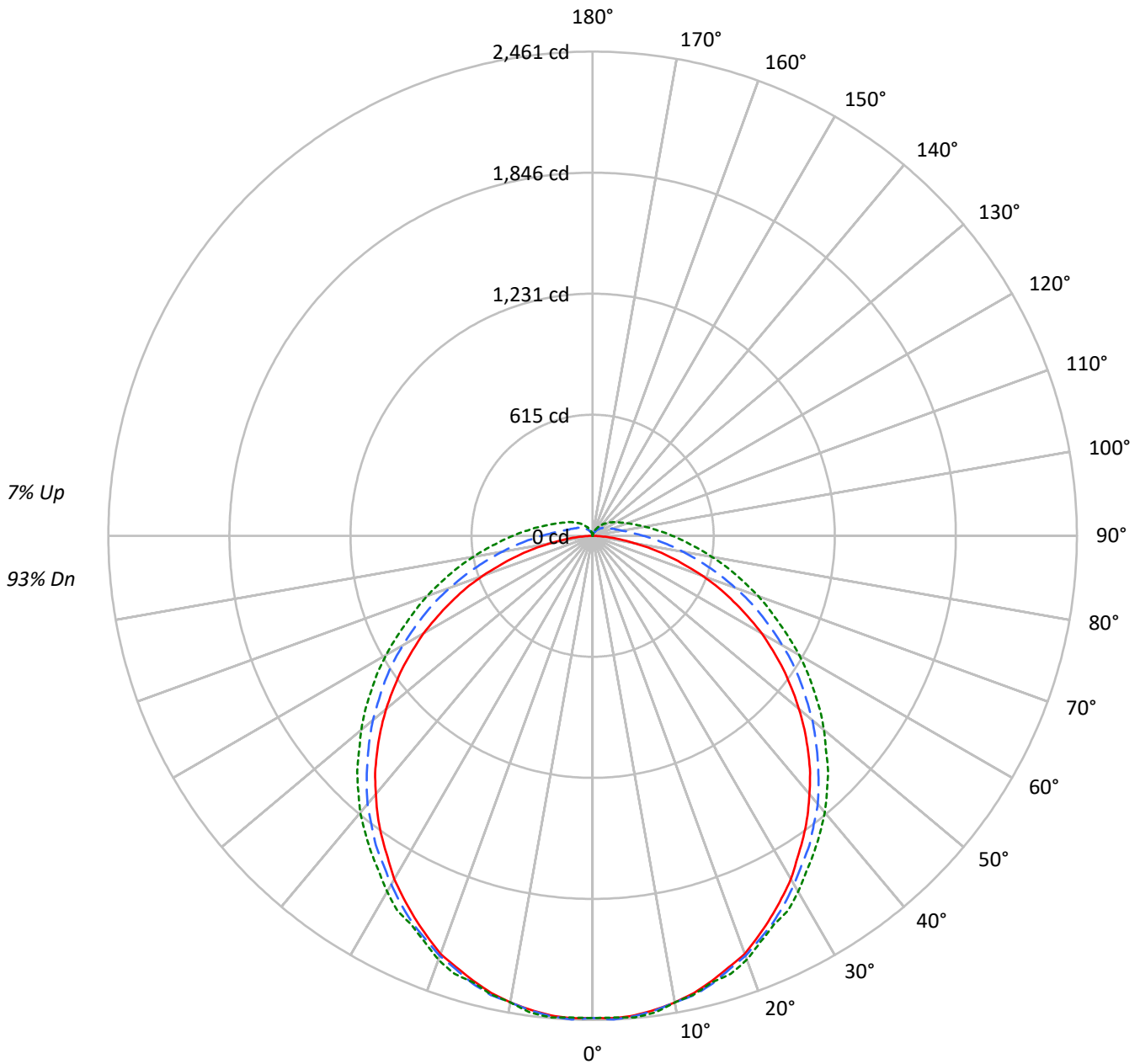
Lumens per Lamp: N/A
Luminaire Lumens: 7938.0 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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°	7729	7729	7729
5°	7736	7627	7607
10°	7691	7455	7374
15°	7613	7308	7168
20°	7544	7116	7027
25°	7397	6918	6764
30°	7271	6696	6612
35°	7111	6502	6389
40°	6959	6294	6202
45°	6796	6036	5986
50°	6591	5796	5742
55°	6359	5536	5499
60°	6096	5241	5262
65°	5697	4945	4990
70°	5239	4609	4809
75°	4559	4275	4617
80°	3563	4018	4500
85°	2251	3883	4531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	2.9
10°-20°	663.4	8.4
20°-30°	998.2	12.6
30°-40°	1198.7	15.1
40°-50°	1248.3	15.7
50°-60°	1146.9	14.4
60°-70°	921.1	11.6
70°-80°	628.0	7.9
80°-90°	356.9	4.5
90°-100°	199.9	2.5
100°-110°	126.5	1.6
110°-120°	86.4	1.1
120°-130°	59.3	0.7
130°-140°	37.7	0.5
140°-150°	21.0	0.3
150°-160°	9.5	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	1894.2	23.9
0°-40°	3092.9	39.0
0°-60°	5488.1	69.1
0°-90°	7394.2	93.1
90°-120°	412.8	5.2
90°-150°	530.8	6.7
90°-180°	544.0	6.9
0°-180°	7938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2451	2451	2451	2451	2451	
5°	2447	2451	2451	2454	2458	232
15°	2342	2338	2356	2363	2349	661
25°	2142	2142	2170	2191	2180	987
35°	1868	1878	1920	1949	1963	1169
45°	1548	1566	1619	1668	1692	1194
55°	1183	1218	1289	1348	1373	1056
65°	790	850	941	1011	1043	783
75°	397	481	607	709	748	420
85°	74	190	348	460	499	91
90°	4	112	256	362	404	4
95°	0	70	193	291	326	0
105°	0	46	123	193	221	0
115°	0	35	91	140	158	0
125°	4	25	70	105	119	2
135°	4	21	53	77	88	3
145°	4	14	35	53	56	2
155°	4	10	21	32	35	2
165°	4	7	10	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°	2450.7	2450.7	2450.7	2450.7	2450.7
2.5°	2454.2	2450.7	2461.2	2457.7	2450.7
5°	2447.2	2450.7	2450.7	2454.2	2457.7
7.5°	2429.6	2422.6	2433.2	2443.7	2443.7
10°	2408.6	2401.6	2408.6	2415.6	2408.6
12.5°	2380.5	2366.4	2391.0	2391.0	2387.5
15°	2341.9	2338.4	2355.9	2362.9	2348.9
17.5°	2299.7	2310.3	2310.3	2324.3	2334.8
20°	2261.1	2254.1	2271.6	2282.2	2292.7
22.5°	2201.4	2197.9	2219.0	2236.5	2233.0
25°	2141.7	2141.7	2169.8	2190.9	2180.4
27.5°	2078.5	2078.5	2110.1	2131.2	2148.8
30°	2015.3	2022.4	2046.9	2075.0	2089.1
32.5°	1938.1	1955.7	1980.2	2018.9	2022.4
35°	1867.9	1878.4	1920.5	1948.6	1962.7
37.5°	1794.1	1797.7	1846.8	1885.4	1899.5
40°	1713.4	1720.4	1780.1	1815.2	1836.3
42.5°	1636.1	1643.2	1699.3	1745.0	1762.5
45°	1548.4	1565.9	1618.6	1667.7	1692.3
47.5°	1460.6	1485.2	1537.8	1594.0	1608.1
50°	1369.3	1393.9	1457.1	1502.7	1534.3
52.5°	1274.5	1306.1	1369.3	1429.0	1457.1
55°	1183.2	1218.3	1288.6	1348.2	1372.8
57.5°	1084.9	1127.0	1204.3	1267.5	1295.6
60°	993.6	1028.7	1113.0	1179.7	1211.3
62.5°	888.3	933.9	1025.2	1099.0	1127.0
65°	790.0	849.7	941.0	1011.2	1042.8
67.5°	695.2	754.9	856.7	930.4	969.0
70°	593.4	660.1	768.9	853.2	895.3
72.5°	488.0	565.3	688.2	783.0	818.1
75°	396.7	481.0	607.4	709.2	747.9
77.5°	305.5	393.2	533.7	639.0	681.1
80°	214.2	312.5	467.0	575.8	614.4
82.5°	140.4	249.3	403.8	512.6	554.7
85°	73.7	189.6	347.6	459.9	498.6
87.5°	24.6	144.0	298.4	410.8	449.4
90°	3.5	112.4	256.3	361.6	403.8
92.5°	0.0	87.8	221.2	326.5	365.1
95°	0.0	70.2	193.1	291.4	326.5
97.5°	0.0	59.7	172.0	259.8	298.4
100°	0.0	52.7	151.0	235.2	266.8
102.5°	0.0	49.2	136.9	210.7	242.3
105°	0.0	45.6	122.9	193.1	221.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.1	98.3	151.0	172.0
115°	0.0	35.1	91.3	140.4	158.0
117.5°	0.0	31.6	87.8	129.9	147.5
120°	0.0	28.1	80.8	122.9	140.4
122.5°	0.0	28.1	73.7	115.9	129.9
125°	3.5	24.6	70.2	105.3	119.4
127.5°	3.5	24.6	66.7	98.3	112.4
130°	3.5	21.1	59.7	91.3	101.8
132.5°	3.5	21.1	56.2	84.3	94.8
135°	3.5	21.1	52.7	77.2	87.8
137.5°	3.5	17.6	45.6	70.2	80.8
140°	3.5	17.6	42.1	63.2	73.7
142.5°	3.5	17.6	38.6	56.2	66.7
145°	3.5	14.0	35.1	52.7	56.2
147.5°	3.5	14.0	31.6	45.6	52.7
150°	3.5	10.5	28.1	38.6	45.6
152.5°	3.5	10.5	24.6	35.1	38.6
155°	3.5	10.5	21.1	31.6	35.1
157.5°	3.5	10.5	17.6	28.1	28.1
160°	3.5	7.0	14.0	21.1	24.6
162.5°	3.5	7.0	14.0	17.6	21.1
165°	3.5	7.0	10.5	14.0	17.6
167.5°	3.5	3.5	7.0	10.5	14.0
170°	3.5	3.5	7.0	7.0	10.5
172.5°	3.5	3.5	3.5	3.5	7.0
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	42.1	115.9	175.6	203.6
110°	0.0	38.6	105.3	161.5	186.1



(END OF REPORT)