

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: P709799

Luminaire Tested: **8AWS-L3C39-CA-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709799
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-3500K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

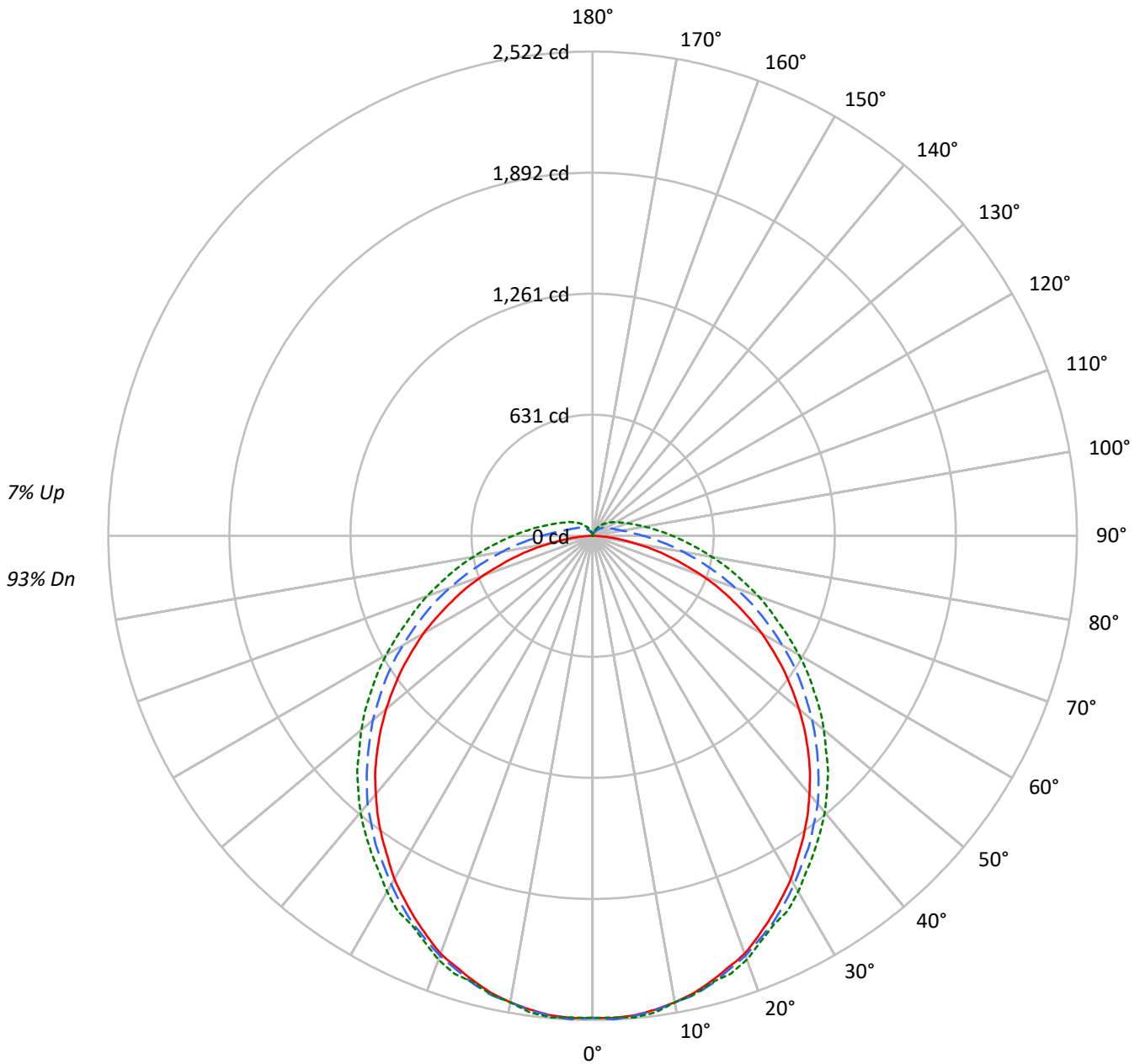
Lumens per Lamp: N/A
Luminaire Lumens: 8133.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

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°	7918	7918	7918
5°	7926	7815	7794
10°	7880	7638	7555
15°	7800	7488	7344
20°	7729	7291	7200
25°	7579	7088	6930
30°	7449	6861	6774
35°	7285	6662	6546
40°	7130	6448	6354
45°	6963	6185	6133
50°	6753	5938	5883
55°	6515	5672	5634
60°	6246	5370	5392
65°	5837	5066	5112
70°	5367	4722	4927
75°	4671	4380	4730
80°	3650	4116	4611
85°	2306	3978	4642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.3	2.9
10°-20°	679.7	8.4
20°-30°	1022.7	12.6
30°-40°	1228.2	15.1
40°-50°	1278.9	15.7
50°-60°	1175.1	14.4
60°-70°	943.8	11.6
70°-80°	643.5	7.9
80°-90°	365.7	4.5
90°-100°	204.8	2.5
100°-110°	129.6	1.6
110°-120°	88.5	1.1
120°-130°	60.8	0.7
130°-140°	38.7	0.5
140°-150°	21.5	0.3
150°-160°	9.8	0.1
160°-170°	3.1	0.0
170°-180°	0.4	0.0
0°-30°	1940.7	23.9
0°-40°	3168.9	39.0
0°-60°	5622.9	69.1
0°-90°	7575.9	93.1
90°-120°	422.9	5.2
90°-150°	543.9	6.7
90°-180°	557.0	6.8
0°-180°	8133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2511	2511	2511	2511	2511	
5°	2507	2511	2511	2514	2518	238
15°	2399	2396	2414	2421	2407	677
25°	2194	2194	2223	2245	2234	1011
35°	1914	1925	1968	1996	2011	1197
45°	1586	1604	1658	1709	1734	1223
55°	1212	1248	1320	1381	1406	1082
65°	809	870	964	1036	1068	803
75°	406	493	622	727	766	430
85°	76	194	356	471	511	93
90°	4	115	263	370	414	4
95°	0	72	198	299	334	0
105°	0	47	126	198	227	0
115°	0	36	94	144	162	0
125°	4	25	72	108	122	2
135°	4	22	54	79	90	3
145°	4	14	36	54	58	2
155°	4	11	22	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°	2510.9	2510.9	2510.9	2510.9	2510.9
2.5°	2514.5	2510.9	2521.7	2518.1	2510.9
5°	2507.3	2510.9	2510.9	2514.5	2518.1
7.5°	2489.3	2482.1	2492.9	2503.7	2503.7
10°	2467.7	2460.6	2467.7	2474.9	2467.7
12.5°	2439.0	2424.6	2449.8	2449.8	2446.2
15°	2399.4	2395.8	2413.8	2421.0	2406.6
17.5°	2356.2	2367.0	2367.0	2381.4	2392.2
20°	2316.7	2309.5	2327.5	2338.2	2349.0
22.5°	2255.5	2251.9	2273.5	2291.5	2287.9
25°	2194.4	2194.4	2223.1	2244.7	2233.9
27.5°	2129.6	2129.6	2162.0	2183.6	2201.5
30°	2064.8	2072.0	2097.2	2126.0	2140.4
32.5°	1985.7	2003.7	2028.9	2068.4	2072.0
35°	1913.8	1924.6	1967.7	1996.5	2010.9
37.5°	1838.2	1841.8	1892.2	1931.7	1946.1
40°	1755.5	1762.7	1823.8	1859.8	1881.4
42.5°	1676.3	1683.5	1741.1	1787.9	1805.8
45°	1586.4	1604.4	1658.4	1708.7	1733.9
47.5°	1496.5	1521.7	1575.6	1633.2	1647.6
50°	1402.9	1428.1	1492.9	1539.6	1572.0
52.5°	1305.8	1338.2	1402.9	1464.1	1492.9
55°	1212.3	1248.3	1320.2	1381.4	1406.5
57.5°	1111.6	1154.7	1233.9	1298.6	1327.4
60°	1018.0	1054.0	1140.3	1208.7	1241.1
62.5°	910.1	956.9	1050.4	1126.0	1154.7
65°	809.4	870.5	964.1	1036.0	1068.4
67.5°	712.3	773.4	877.7	953.3	992.9
70°	607.9	676.3	787.8	874.1	917.3
72.5°	500.0	579.2	705.1	802.2	838.2
75°	406.5	492.8	622.3	726.7	766.2
77.5°	313.0	402.9	546.8	654.7	697.9
80°	219.4	320.2	478.4	590.0	629.5
82.5°	143.9	255.4	413.7	525.2	568.4
85°	75.5	194.3	356.1	471.2	510.8
87.5°	25.2	147.5	305.8	420.9	460.5
90°	3.6	115.1	262.6	370.5	413.7
92.5°	0.0	89.9	226.6	334.5	374.1
95°	0.0	71.9	197.9	298.6	334.5
97.5°	0.0	61.2	176.3	266.2	305.8
100°	0.0	54.0	154.7	241.0	273.4
102.5°	0.0	50.4	140.3	215.8	248.2
105°	0.0	46.8	125.9	197.9	226.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.0	100.7	154.7	176.3
115°	0.0	36.0	93.5	143.9	161.9
117.5°	0.0	32.4	89.9	133.1	151.1
120°	0.0	28.8	82.7	125.9	143.9
122.5°	0.0	28.8	75.5	118.7	133.1
125°	3.6	25.2	71.9	107.9	122.3
127.5°	3.6	25.2	68.3	100.7	115.1
130°	3.6	21.6	61.2	93.5	104.3
132.5°	3.6	21.6	57.6	86.3	97.1
135°	3.6	21.6	54.0	79.1	89.9
137.5°	3.6	18.0	46.8	71.9	82.7
140°	3.6	18.0	43.2	64.8	75.5
142.5°	3.6	18.0	39.6	57.6	68.3
145°	3.6	14.4	36.0	54.0	57.6
147.5°	3.6	14.4	32.4	46.8	54.0
150°	3.6	10.8	28.8	39.6	46.8
152.5°	3.6	10.8	25.2	36.0	39.6
155°	3.6	10.8	21.6	32.4	36.0
157.5°	3.6	10.8	18.0	28.8	28.8
160°	3.6	7.2	14.4	21.6	25.2
162.5°	3.6	7.2	14.4	18.0	21.6
165°	3.6	7.2	10.8	14.4	18.0
167.5°	3.6	3.6	7.2	10.8	14.4
170°	3.6	3.6	7.2	7.2	10.8
172.5°	3.6	3.6	3.6	3.6	7.2
175°	3.6	3.6	3.6	3.6	3.6
177.5°	3.6	3.6	3.6	0.0	0.0
180°	3.6	3.6	3.6	3.6	3.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.2	<i>118.7</i>	179.9	208.6
110°	0.0	39.6	<i>107.9</i>	165.5	190.7



(END OF REPORT)