

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: P709873

Luminaire Tested: **4AWWS-L3C39-UNV-5000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C39-UNV-5000K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

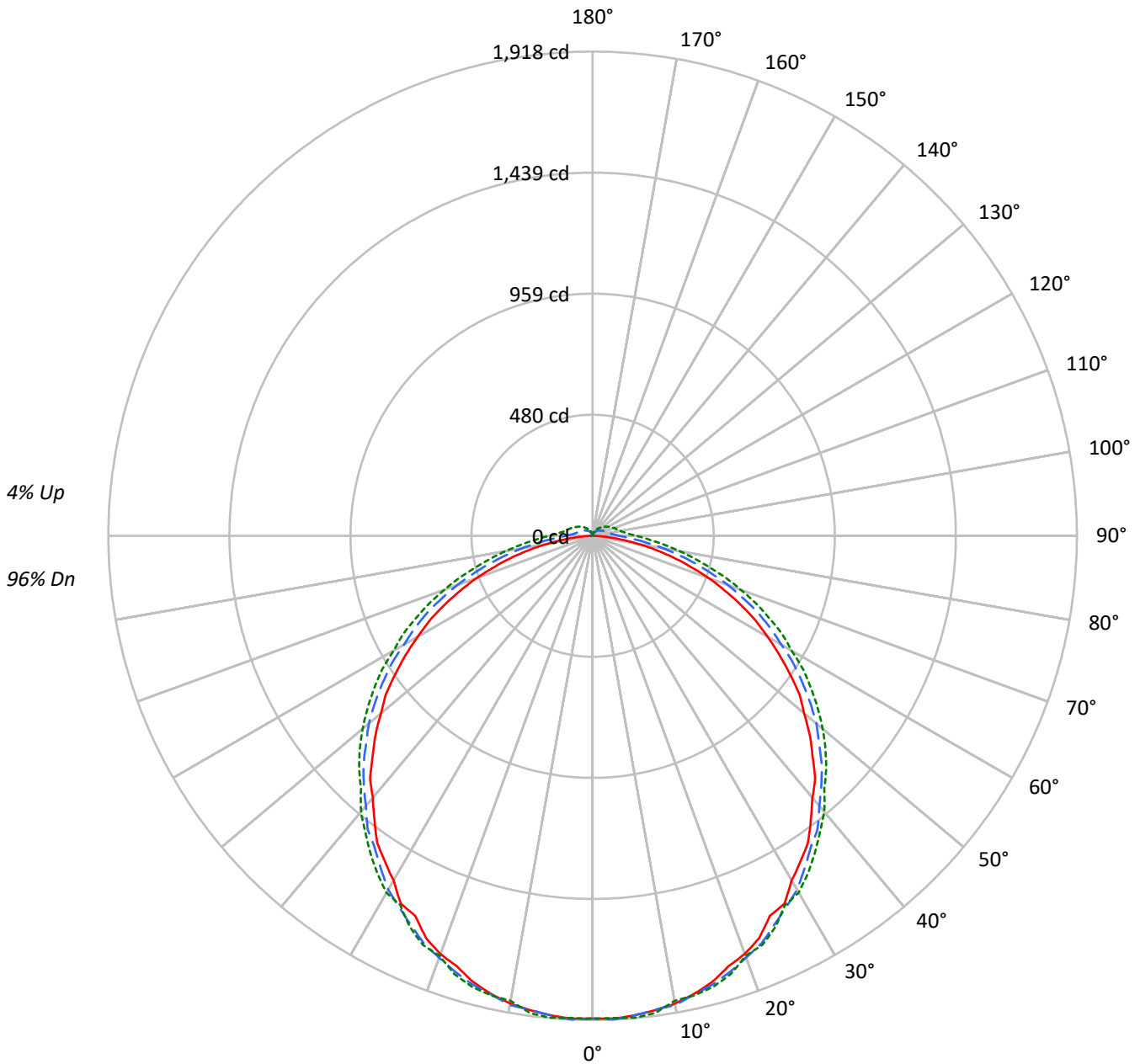
Lumens per Lamp: N/A
Luminaire Lumens: 5899.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 49
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					20									
RC	80					70					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	50	30	10	50	30	10	0			
RCR	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	96	96	96	96	96	96	96	96			
	1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79	79	79	79	79	79	79	79	79			
	2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65	65	65	65	65	65	65	65	65			
	3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54	54	54	54	54	54	54	54	54			
	4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46	46	46	46	46	46	46	46	46			
	5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40	40	40	40	40	40	40	40	40			
	6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35	35	35	35	35	35	35	35	35			
	7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31	31	31	31	31	31	31	31	31			
	8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27	27	27	27	27	27	27	27	27			
	9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25	25	25	25	25	25	25	25	25			
	10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22	22	22	22	22	22	22	22	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6685	6685	6685
5°	6664	6589	6606
10°	6626	6497	6407
15°	6543	6355	6344
20°	6450	6214	6130
25°	6273	6062	6024
30°	6200	5928	5893
35°	6147	5717	5727
40°	5951	5547	5557
45°	5821	5389	5368
50°	5638	5193	5199
55°	5453	4935	4984
60°	5181	4617	4692
65°	4883	4334	4432
70°	4441	3916	4077
75°	3783	3400	3641
80°	2850	2831	3251
85°	1513	2263	2901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	3.1
10°-20°	518.8	8.8
20°-30°	782.8	13.3
30°-40°	944.8	16.0
40°-50°	984.6	16.7
50°-60°	902.4	15.3
60°-70°	707.7	12.0
70°-80°	437.5	7.4
80°-90°	185.5	3.1
90°-100°	81.2	1.4
100°-110°	57.7	1.0
110°-120°	43.3	0.7
120°-130°	30.9	0.5
130°-140°	20.3	0.3
140°-150°	12.1	0.2
150°-160°	5.7	0.1
160°-170°	1.9	0.0
170°-180°	0.3	0.0
0°-30°	1483.2	25.1
0°-40°	2427.9	41.2
0°-60°	4314.9	73.1
0°-90°	5645.6	95.7
90°-120°	182.2	3.1
90°-150°	245.4	4.2
90°-180°	253.0	4.3
0°-180°	5899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1907	1911	1907	1907	1916	181
15°	1830	1834	1840	1845	1849	515
25°	1661	1690	1702	1703	1711	773
35°	1487	1492	1506	1531	1535	924
45°	1232	1247	1283	1302	1308	951
55°	953	978	1015	1036	1057	852
65°	648	673	723	752	771	640
75°	328	363	418	464	476	348
85°	58	104	171	221	242	73
90°	4	44	106	152	171	4
95°	0	29	77	115	132	0
105°	0	21	58	88	100	0
115°	0	17	46	71	81	0
125°	0	15	36	54	63	0
135°	0	12	29	40	48	0
145°	2	10	21	29	33	1
155°	2	6	13	19	21	1
165°	2	4	6	10	10	1
175°	2	2	2	2	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1912.5	1912.5	1912.5	1912.5	1912.5
2.5°	1914.5	1922.1	1918.3	1914.5	1912.5
5°	1906.8	1910.6	1906.8	1906.8	1916.4
7.5°	1895.3	1901.0	1893.4	1904.9	1906.8
10°	1881.8	1889.5	1887.6	1891.4	1870.3
12.5°	1858.8	1868.4	1860.7	1870.3	1864.6
15°	1830.1	1833.9	1839.6	1845.4	1849.2
17.5°	1787.9	1805.1	1810.9	1816.6	1820.5
20°	1762.9	1772.5	1778.3	1776.3	1770.6
22.5°	1724.5	1730.3	1747.6	1743.7	1755.2
25°	1661.2	1690.0	1701.5	1703.4	1711.1
27.5°	1644.0	1645.9	1659.3	1670.8	1649.7
30°	1576.8	1599.9	1619.0	1624.8	1632.5
32.5°	1530.8	1550.0	1561.5	1582.6	1586.4
35°	1486.7	1492.4	1505.9	1530.8	1534.6
37.5°	1419.5	1436.8	1463.7	1477.1	1479.0
40°	1354.3	1375.4	1396.5	1411.9	1427.2
42.5°	1304.4	1316.0	1340.9	1360.1	1358.2
45°	1231.5	1246.9	1283.3	1302.5	1308.3
47.5°	1166.3	1189.3	1216.2	1245.0	1250.7
50°	1093.4	1118.4	1156.7	1177.8	1189.3
52.5°	1032.0	1047.4	1085.8	1106.9	1124.1
55°	953.4	978.3	1014.8	1035.9	1057.0
57.5°	876.7	907.4	943.8	978.3	989.8
60°	799.9	830.6	863.2	901.6	909.3
62.5°	727.0	759.6	794.2	832.5	847.9
65°	648.4	673.3	723.2	752.0	771.2
67.5°	565.9	596.6	644.5	677.2	700.2
70°	489.2	523.7	569.7	610.0	623.4
72.5°	404.8	447.0	491.1	533.3	552.5
75°	328.0	362.6	418.2	464.2	475.7
77.5°	255.1	287.7	347.2	393.3	410.5
80°	178.4	218.7	282.0	328.0	349.1
82.5°	113.2	155.4	220.6	270.5	293.5
85°	57.5	103.6	170.7	220.6	241.7
87.5°	19.2	65.2	130.4	182.2	203.3
90°	3.8	44.1	105.5	151.5	170.7
92.5°	0.0	32.6	88.2	130.4	147.7
95°	0.0	28.8	76.7	115.1	132.4
97.5°	0.0	26.9	71.0	105.5	118.9
100°	0.0	24.9	65.2	97.8	111.3
102.5°	0.0	23.0	61.4	92.1	105.5
105°	0.0	21.1	57.5	88.2	99.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.2	49.9	72.9	84.4
115°	0.0	17.3	46.0	71.0	80.6
117.5°	0.0	17.3	44.1	65.2	74.8
120°	0.0	15.3	40.3	61.4	71.0
122.5°	0.0	15.3	38.4	59.5	67.1
125°	0.0	15.3	36.4	53.7	63.3
127.5°	0.0	13.4	34.5	51.8	57.5
130°	0.0	13.4	32.6	48.0	53.7
132.5°	0.0	11.5	30.7	44.1	49.9
135°	0.0	11.5	28.8	40.3	48.0
137.5°	0.0	11.5	26.9	38.4	42.2
140°	0.0	9.6	24.9	34.5	40.3
142.5°	1.9	9.6	21.1	32.6	36.4
145°	1.9	9.6	21.1	28.8	32.6
147.5°	1.9	7.7	19.2	26.9	30.7
150°	1.9	7.7	17.3	23.0	26.9
152.5°	1.9	5.8	15.3	21.1	23.0
155°	1.9	5.8	13.4	19.2	21.1
157.5°	1.9	5.8	11.5	15.3	17.3
160°	1.9	3.8	9.6	13.4	15.3
162.5°	1.9	3.8	7.7	11.5	13.4
165°	1.9	3.8	5.8	9.6	9.6
167.5°	1.9	3.8	5.8	7.7	7.7
170°	1.9	1.9	3.8	5.8	5.8
172.5°	1.9	1.9	3.8	3.8	3.8
175°	1.9	1.9	1.9	1.9	3.8
177.5°	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	21.1	55.6	82.5	94.0
110°	0.0	19.2	51.8	78.7	90.2



(END OF REPORT)