

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: P709742

Luminaire Tested: **4AWS-L3C39-CA-UNV-3000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709742
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: 4AWS-L3C39-CA-UNV-3000K-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

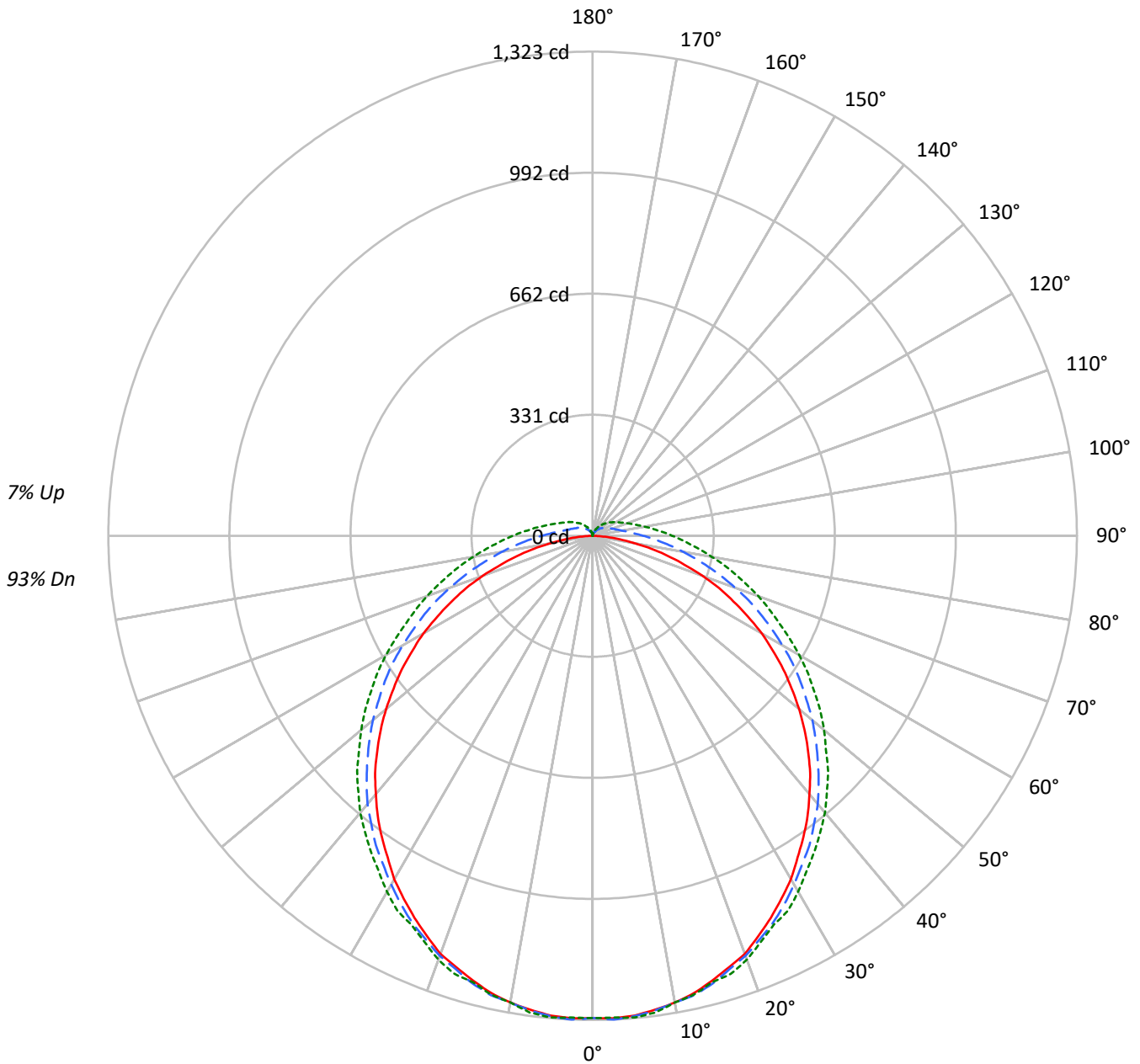
Lumens per Lamp: N/A
Luminaire Lumens: 4268.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 33
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	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8311	8311	8311
5°	8307	8194	8180
10°	8247	8001	7929
15°	8151	7836	7708
20°	8065	7623	7556
25°	7895	7403	7274
30°	7747	7159	7109
35°	7562	6943	6871
40°	7384	6712	6669
45°	7193	6430	6437
50°	6956	6164	6175
55°	6687	5878	5913
60°	6381	5554	5659
65°	5927	5226	5366
70°	5403	4857	5171
75°	4638	4487	4965
80°	3536	4192	4840
85°	2092	4014	4873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	2.9
10°-20°	356.7	8.4
20°-30°	536.7	12.6
30°-40°	644.5	15.1
40°-50°	671.1	15.7
50°-60°	616.7	14.4
60°-70°	495.3	11.6
70°-80°	337.7	7.9
80°-90°	191.9	4.5
90°-100°	107.5	2.5
100°-110°	68.0	1.6
110°-120°	46.4	1.1
120°-130°	31.9	0.7
130°-140°	20.3	0.5
140°-150°	11.3	0.3
150°-160°	5.1	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
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0°-30°	1018.4	23.9
0°-40°	1663.0	39.0
0°-60°	2950.8	69.1
0°-90°	3975.6	93.1
90°-120°	221.9	5.2
90°-150°	285.4	6.7
90°-180°	292.0	6.8
0°-180°	4268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1316	1318	1318	1320	1321	125
15°	1259	1257	1267	1270	1263	355
25°	1152	1152	1167	1178	1172	531
35°	1004	1010	1033	1048	1055	628
45°	832	842	870	897	910	642
55°	636	655	693	725	738	568
65°	425	457	506	544	561	421
75°	213	259	327	381	402	226
85°	40	102	187	247	268	49
90°	2	60	138	194	217	2
95°	0	38	104	157	176	0
105°	0	24	66	104	119	0
115°	0	19	49	76	85	0
125°	2	13	38	57	64	1
135°	2	11	28	42	47	1
145°	2	8	19	28	30	1
155°	2	6	11	17	19	1
165°	2	4	6	8	9	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317.7	1317.7	1317.7	1317.7	1317.7
2.5°	1319.6	1317.7	1323.3	1321.4	1317.7
5°	1315.8	1317.7	1317.7	1319.6	1321.4
7.5°	1306.3	1302.6	1308.2	1313.9	1313.9
10°	1295.0	1291.2	1295.0	1298.8	1295.0
12.5°	1279.9	1272.4	1285.6	1285.6	1283.7
15°	1259.1	1257.3	1266.7	1270.5	1262.9
17.5°	1236.5	1242.2	1242.2	1249.7	1255.4
20°	1215.7	1212.0	1221.4	1227.1	1232.7
22.5°	1183.6	1181.7	1193.1	1202.5	1200.6
25°	1151.5	1151.5	1166.6	1178.0	1172.3
27.5°	1117.6	1117.6	1134.6	1145.9	1155.3
30°	1083.6	1087.4	1100.6	1115.7	1123.2
32.5°	1042.1	1051.5	1064.7	1085.5	1087.4
35°	1004.3	1010.0	1032.6	1047.7	1055.3
37.5°	964.7	966.5	993.0	1013.7	1021.3
40°	921.2	925.0	957.1	976.0	987.3
42.5°	879.7	883.5	913.7	938.2	947.7
45°	832.5	841.9	870.3	896.7	909.9
47.5°	785.3	798.5	826.8	857.0	864.6
50°	736.2	749.4	783.4	808.0	825.0
52.5°	685.3	702.3	736.2	768.3	783.4
55°	636.2	655.1	692.8	724.9	738.1
57.5°	583.3	606.0	647.5	681.5	696.6
60°	534.2	553.1	598.4	634.3	651.3
62.5°	477.6	502.1	551.2	590.9	606.0
65°	424.7	456.8	505.9	543.7	560.7
67.5°	373.8	405.9	460.6	500.3	521.0
70°	319.0	354.9	413.4	458.7	481.4
72.5°	262.4	303.9	370.0	421.0	439.9
75°	213.3	258.6	326.6	381.3	402.1
77.5°	164.2	211.4	286.9	343.6	366.2
80°	115.2	168.0	251.1	309.6	330.4
82.5°	75.5	134.0	217.1	275.6	298.3
85°	39.6	101.9	186.9	247.3	268.1
87.5°	13.2	77.4	160.5	220.9	241.6
90°	1.9	60.4	137.8	194.4	217.1
92.5°	0.0	47.2	118.9	175.6	196.3
95°	0.0	37.8	103.8	156.7	175.6
97.5°	0.0	32.1	92.5	139.7	160.5
100°	0.0	28.3	81.2	126.5	143.5
102.5°	0.0	26.4	73.6	113.3	130.3
105°	0.0	24.5	66.1	103.8	118.9



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CATALOG NUMBER: 4AWS-L3C39-CA-UNV-3000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.9	52.9	81.2	92.5
115°	0.0	18.9	49.1	75.5	84.9
117.5°	0.0	17.0	47.2	69.8	79.3
120°	0.0	15.1	43.4	66.1	75.5
122.5°	0.0	15.1	39.6	62.3	69.8
125°	1.9	13.2	37.8	56.6	64.2
127.5°	1.9	13.2	35.9	52.9	60.4
130°	1.9	11.3	32.1	49.1	54.7
132.5°	1.9	11.3	30.2	45.3	51.0
135°	1.9	11.3	28.3	41.5	47.2
137.5°	1.9	9.4	24.5	37.8	43.4
140°	1.9	9.4	22.7	34.0	39.6
142.5°	1.9	9.4	20.8	30.2	35.9
145°	1.9	7.6	18.9	28.3	30.2
147.5°	1.9	7.6	17.0	24.5	28.3
150°	1.9	5.7	15.1	20.8	24.5
152.5°	1.9	5.7	13.2	18.9	20.8
155°	1.9	5.7	11.3	17.0	18.9
157.5°	1.9	5.7	9.4	15.1	15.1
160°	1.9	3.8	7.6	11.3	13.2
162.5°	1.9	3.8	7.6	9.4	11.3
165°	1.9	3.8	5.7	7.6	9.4
167.5°	1.9	1.9	3.8	5.7	7.6
170°	1.9	1.9	3.8	3.8	5.7
172.5°	1.9	1.9	1.9	1.9	3.8
175°	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	0.0	0.0
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	22.7	62.3	94.4	109.5
110°	0.0	20.8	56.6	86.8	100.1



(END OF REPORT)