

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: P709739

Luminaire Tested: **4AWS-L3C3-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709739
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-L3C3-UNV-5000K-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

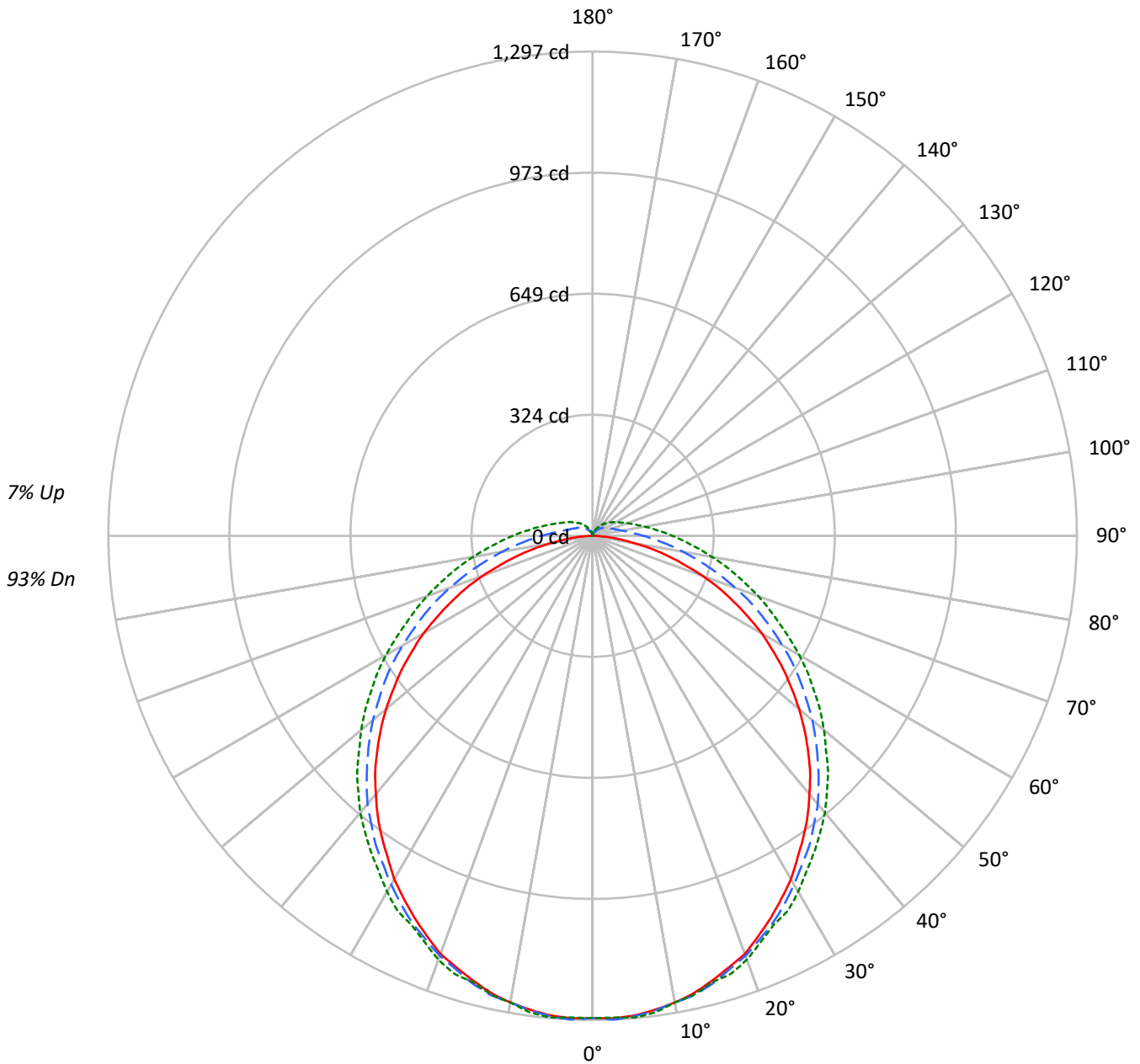
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4184.1 lumens
Efficiency: N/A
Efficacy: 130.8 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): 32
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°	8147	8147	8147
5°	8144	8032	8019
10°	8084	7844	7773
15°	7991	7682	7556
20°	7906	7473	7408
25°	7740	7258	7130
30°	7595	7018	6970
35°	7412	6806	6735
40°	7239	6581	6538
45°	7051	6303	6310
50°	6819	6043	6053
55°	6556	5762	5797
60°	6256	5444	5548
65°	5811	5124	5260
70°	5298	4762	5069
75°	4547	4399	4867
80°	3465	4108	4745
85°	2055	3934	4776



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	2.9
10°-20°	349.7	8.4
20°-30°	526.1	12.6
30°-40°	631.8	15.1
40°-50°	657.9	15.7
50°-60°	604.5	14.4
60°-70°	485.5	11.6
70°-80°	331.0	7.9
80°-90°	188.1	4.5
90°-100°	105.4	2.5
100°-110°	66.7	1.6
110°-120°	45.5	1.1
120°-130°	31.3	0.7
130°-140°	19.9	0.5
140°-150°	11.1	0.3
150°-160°	5.0	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
0°-30°	998.4	23.9
0°-40°	1630.2	39.0
0°-60°	2892.7	69.1
0°-90°	3897.4	93.1
90°-120°	217.6	5.2
90°-150°	279.8	6.7
90°-180°	287.0	6.9
0°-180°	4184.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1290	1292	1292	1294	1295	122
15°	1234	1232	1242	1246	1238	348
25°	1129	1129	1144	1155	1149	520
35°	984	990	1012	1027	1034	616
45°	816	825	853	879	892	629
55°	624	642	679	711	724	557
65°	416	448	496	533	550	413
75°	209	254	320	374	394	221
85°	39	100	183	242	263	48
90°	2	59	135	191	213	2
95°	0	37	102	154	172	0
105°	0	24	65	102	117	0
115°	0	18	48	74	83	0
125°	2	13	37	56	63	1
135°	2	11	28	41	46	1
145°	2	7	18	28	30	1
155°	2	6	11	17	18	1
165°	2	4	6	7	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°	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1293.6	1291.7	1297.3	1295.4	1291.7
5°	1289.9	1291.7	1291.7	1293.6	1295.4
7.5°	1280.6	1276.9	1282.5	1288.0	1288.0
10°	1269.5	1265.8	1269.5	1273.2	1269.5
12.5°	1254.7	1247.3	1260.3	1260.3	1258.4
15°	1234.4	1232.5	1241.8	1245.5	1238.1
17.5°	1212.2	1217.7	1217.7	1225.1	1230.7
20°	1191.8	1188.1	1197.4	1202.9	1208.5
22.5°	1160.3	1158.5	1169.6	1178.8	1177.0
25°	1128.9	1128.9	1143.7	1154.8	1149.2
27.5°	1095.6	1095.6	1112.2	1123.3	1132.6
30°	1062.3	1066.0	1078.9	1093.7	1101.1
32.5°	1021.5	1030.8	1043.8	1064.1	1066.0
35°	984.5	990.1	1012.3	1027.1	1034.5
37.5°	945.7	947.5	973.4	993.8	1001.2
40°	903.1	906.8	938.3	956.8	967.9
42.5°	862.4	866.1	895.7	919.8	929.0
45°	816.1	825.4	853.1	879.0	892.0
47.5°	769.9	782.8	810.6	840.2	847.6
50°	721.7	734.7	768.0	792.1	808.7
52.5°	671.8	688.4	721.7	753.2	768.0
55°	623.7	642.2	679.2	710.6	723.6
57.5°	571.8	594.0	634.8	668.1	682.9
60°	523.7	542.2	586.6	621.8	638.5
62.5°	468.2	492.3	540.4	579.2	594.0
65°	416.4	447.9	496.0	533.0	549.6
67.5°	366.4	397.9	451.6	490.4	510.8
70°	312.8	347.9	405.3	449.7	471.9
72.5°	257.2	297.9	362.7	412.7	431.2
75°	209.1	253.5	320.2	373.8	394.2
77.5°	161.0	207.3	281.3	336.8	359.0
80°	112.9	164.7	246.1	303.5	323.9
82.5°	74.0	131.4	212.8	270.2	292.4
85°	38.9	99.9	183.2	242.4	262.8
87.5°	13.0	75.9	157.3	216.5	236.9
90°	1.9	59.2	135.1	190.6	212.8
92.5°	0.0	46.3	116.6	172.1	192.5
95°	0.0	37.0	101.8	153.6	172.1
97.5°	0.0	31.5	90.7	136.9	157.3
100°	0.0	27.8	79.6	124.0	140.6
102.5°	0.0	25.9	72.2	111.0	127.7
105°	0.0	24.1	64.8	101.8	116.6



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CATALOG NUMBER: 4AWS-L3C3-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.5	51.8	79.6	90.7
115°	0.0	18.5	48.1	74.0	83.3
117.5°	0.0	16.7	46.3	68.5	77.7
120°	0.0	14.8	42.6	64.8	74.0
122.5°	0.0	14.8	38.9	61.1	68.5
125°	1.9	13.0	37.0	55.5	62.9
127.5°	1.9	13.0	35.2	51.8	59.2
130°	1.9	11.1	31.5	48.1	53.7
132.5°	1.9	11.1	29.6	44.4	50.0
135°	1.9	11.1	27.8	40.7	46.3
137.5°	1.9	9.3	24.1	37.0	42.6
140°	1.9	9.3	22.2	33.3	38.9
142.5°	1.9	9.3	20.4	29.6	35.2
145°	1.9	7.4	18.5	27.8	29.6
147.5°	1.9	7.4	16.7	24.1	27.8
150°	1.9	5.6	14.8	20.4	24.1
152.5°	1.9	5.6	13.0	18.5	20.4
155°	1.9	5.6	11.1	16.7	18.5
157.5°	1.9	5.6	9.3	14.8	14.8
160°	1.9	3.7	7.4	11.1	13.0
162.5°	1.9	3.7	7.4	9.3	11.1
165°	1.9	3.7	5.6	7.4	9.3
167.5°	1.9	1.9	3.7	5.6	7.4
170°	1.9	1.9	3.7	3.7	5.6
172.5°	1.9	1.9	1.9	1.9	3.7
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	22.2	61.1	92.5	107.3
110°	0.0	20.4	55.5	85.1	98.1



(END OF REPORT)