

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: P709839

Luminaire Tested: **2AWWS-L3C39-UNV-5000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709839
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: 2AWWS-L3C39-UNV-5000K-MID
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

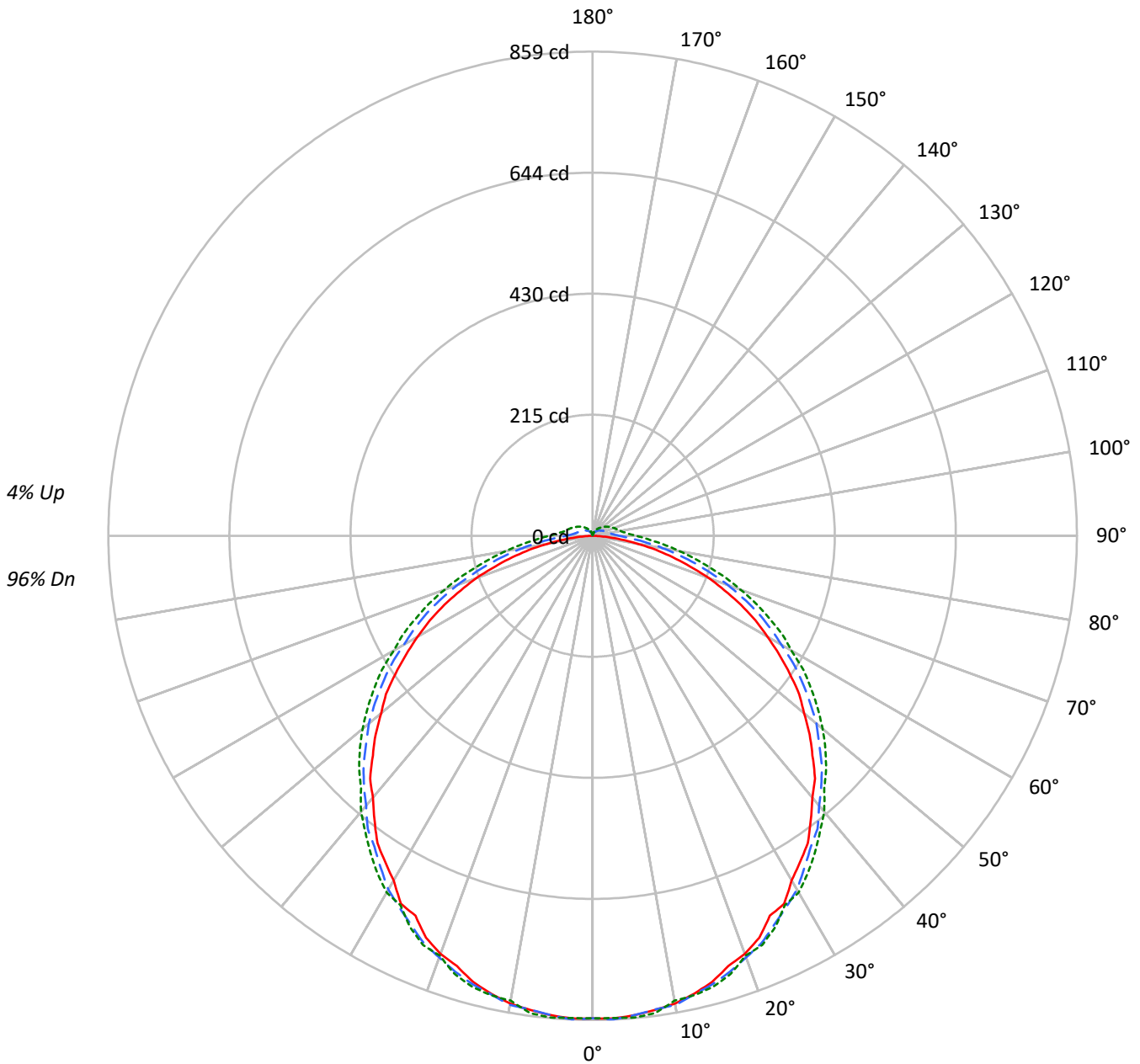
Lumens per Lamp: N/A
Luminaire Lumens: 2641.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6493	6493	6493
5°	6443	6379	6417
10°	6376	6270	6224
15°	6266	6114	6162
20°	6148	5959	5954
25°	5948	5794	5852
30°	5847	5646	5724
35°	5761	5425	5563
40°	5540	5243	5398
45°	5379	5072	5214
50°	5164	4864	5050
55°	4942	4595	4841
60°	4634	4271	4558
65°	4294	3976	4304
70°	3814	3555	3960
75°	3140	3043	3537
80°	2231	2483	3158
85°	1051	1922	2818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	3.1
10°-20°	232.3	8.8
20°-30°	350.5	13.3
30°-40°	423.0	16.0
40°-50°	440.8	16.7
50°-60°	404.0	15.3
60°-70°	316.9	12.0
70°-80°	195.9	7.4
80°-90°	83.1	3.1
90°-100°	36.4	1.4
100°-110°	25.8	1.0
110°-120°	19.4	0.7
120°-130°	13.8	0.5
130°-140°	9.1	0.3
140°-150°	5.4	0.2
150°-160°	2.6	0.1
160°-170°	0.8	0.0
170°-180°	0.1	0.0
0°-30°	664.0	25.1
0°-40°	1087.0	41.2
0°-60°	1931.8	73.1
0°-90°	2527.6	95.7
90°-120°	81.6	3.1
90°-150°	109.9	4.2
90°-180°	113.0	4.3
0°-180°	2641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	854	855	854	854	858	81
15°	819	821	824	826	828	231
25°	744	757	762	763	766	346
35°	666	668	674	685	687	414
45°	551	558	575	583	586	426
55°	427	438	454	464	473	381
65°	290	301	324	337	345	286
75°	147	162	187	208	213	156
85°	26	46	76	99	108	33
90°	2	20	47	68	76	2
95°	0	13	34	52	59	0
105°	0	9	26	40	45	0
115°	0	8	21	32	36	0
125°	0	7	16	24	28	0
135°	0	5	13	18	22	0
145°	1	4	9	13	15	0
155°	1	3	6	9	9	0
165°	1	2	3	4	4	0
175°	1	1	1	1	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	856.2	856.2	856.2	856.2	856.2
2.5°	857.1	860.5	858.8	857.1	856.2
5°	853.7	855.4	853.7	853.7	858.0
7.5°	848.5	851.1	847.7	852.8	853.7
10°	842.5	845.9	845.1	846.8	837.4
12.5°	832.2	836.5	833.1	837.4	834.8
15°	819.3	821.0	823.6	826.2	827.9
17.5°	800.4	808.2	810.7	813.3	815.0
20°	789.3	793.6	796.1	795.3	792.7
22.5°	772.1	774.7	782.4	780.7	785.8
25°	743.7	756.6	761.8	762.6	766.1
27.5°	736.0	736.9	742.9	748.0	738.6
30°	706.0	716.3	724.8	727.4	730.9
32.5°	685.3	693.9	699.1	708.5	710.2
35°	665.6	668.2	674.2	685.3	687.1
37.5°	635.5	643.3	655.3	661.3	662.2
40°	606.3	615.8	625.2	632.1	639.0
42.5°	584.0	589.2	600.3	608.9	608.0
45°	551.4	558.2	574.6	583.1	585.7
47.5°	522.2	532.5	544.5	557.4	560.0
50°	489.5	500.7	517.9	527.3	532.5
52.5°	462.0	468.9	486.1	495.5	503.3
55°	426.8	438.0	454.3	463.8	473.2
57.5°	392.5	406.2	422.5	438.0	443.2
60°	358.1	371.9	386.5	403.6	407.1
62.5°	325.5	340.1	355.6	372.7	379.6
65°	290.3	301.4	323.8	336.7	345.2
67.5°	253.4	267.1	288.6	303.2	313.5
70°	219.0	234.5	255.1	273.1	279.1
72.5°	181.2	200.1	219.9	238.8	247.3
75°	146.9	162.3	187.2	207.8	213.0
77.5°	114.2	128.8	155.4	176.1	183.8
80°	79.9	97.9	126.2	146.9	156.3
82.5°	50.7	69.6	98.8	121.1	131.4
85°	25.8	46.4	76.4	98.8	108.2
87.5°	8.6	29.2	58.4	81.6	91.0
90°	1.7	19.8	47.2	67.8	76.4
92.5°	0.0	14.6	39.5	58.4	66.1
95°	0.0	12.9	34.4	51.5	59.3
97.5°	0.0	12.0	31.8	47.2	53.2
100°	0.0	11.2	29.2	43.8	49.8
102.5°	0.0	10.3	27.5	41.2	47.2
105°	0.0	9.4	25.8	39.5	44.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	8.6	22.3	32.6	37.8
115°	0.0	7.7	20.6	31.8	36.1
117.5°	0.0	7.7	19.8	29.2	33.5
120°	0.0	6.9	18.0	27.5	31.8
122.5°	0.0	6.9	17.2	26.6	30.1
125°	0.0	6.9	16.3	24.0	28.3
127.5°	0.0	6.0	15.5	23.2	25.8
130°	0.0	6.0	14.6	21.5	24.0
132.5°	0.0	5.2	13.7	19.8	22.3
135°	0.0	5.2	12.9	18.0	21.5
137.5°	0.0	5.2	12.0	17.2	18.9
140°	0.0	4.3	11.2	15.5	18.0
142.5°	0.9	4.3	9.4	14.6	16.3
145°	0.9	4.3	9.4	12.9	14.6
147.5°	0.9	3.4	8.6	12.0	13.7
150°	0.9	3.4	7.7	10.3	12.0
152.5°	0.9	2.6	6.9	9.4	10.3
155°	0.9	2.6	6.0	8.6	9.4
157.5°	0.9	2.6	5.2	6.9	7.7
160°	0.9	1.7	4.3	6.0	6.9
162.5°	0.9	1.7	3.4	5.2	6.0
165°	0.9	1.7	2.6	4.3	4.3
167.5°	0.9	1.7	2.6	3.4	3.4
170°	0.9	0.9	1.7	2.6	2.6
172.5°	0.9	0.9	1.7	1.7	1.7
175°	0.9	0.9	0.9	0.9	1.7
177.5°	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	9.4	24.9	36.9	42.1
110°	0.0	8.6	23.2	35.2	40.4



(END OF REPORT)