

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: P709708

Luminaire Tested: **2AWS-L3C39-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709708
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: 2AWS-L3C39-UNV-4000K-HI
Description: 2foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

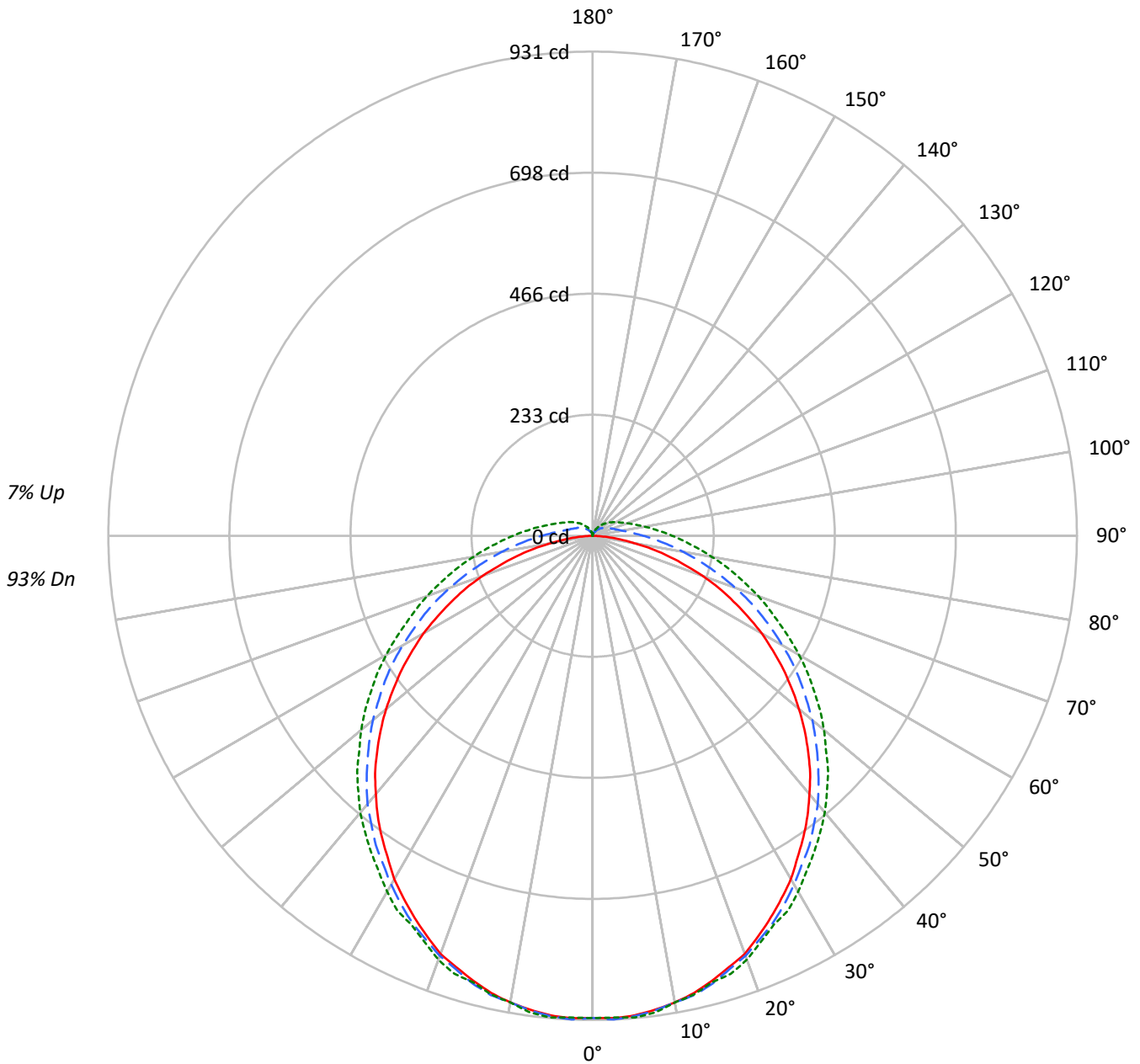
Lumens per Lamp: N/A
Luminaire Lumens: 3003.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 24
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°	12687	12687	12687
5°	12640	12479	12487
10°	12507	12159	12105
15°	12319	11882	11766
20°	12146	11532	11535
25°	11845	11175	11103
30°	11578	10779	10853
35°	11251	10429	10488
40°	10935	10054	10181
45°	10593	9602	9826
50°	10176	9175	9426
55°	9706	8717	9026
60°	9173	8200	8637
65°	8412	7674	8191
70°	7530	7083	7894
75°	6289	6485	7579
80°	4566	5982	7386
85°	2431	5617	7437



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	2.9
10°-20°	251.0	8.4
20°-30°	377.6	12.6
30°-40°	453.5	15.1
40°-50°	472.2	15.7
50°-60°	433.9	14.4
60°-70°	348.5	11.6
70°-80°	237.6	7.9
80°-90°	135.0	4.5
90°-100°	75.6	2.5
100°-110°	47.9	1.6
110°-120°	32.7	1.1
120°-130°	22.4	0.7
130°-140°	14.3	0.5
140°-150°	7.9	0.3
150°-160°	3.6	0.1
160°-170°	1.1	0.0
170°-180°	0.1	0.0
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0°-30°	716.6	23.9
0°-40°	1170.1	39.0
0°-60°	2076.2	69.1
0°-90°	2797.3	93.2
90°-120°	156.1	5.2
90°-150°	200.8	6.7
90°-180°	206.0	6.9
0°-180°	3003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	927	927	927	927	927	
5°	926	927	927	928	930	88
15°	886	885	891	894	889	250
25°	810	810	821	829	825	373
35°	707	711	727	737	742	442
45°	586	592	612	631	640	452
55°	448	461	488	510	519	400
65°	299	321	356	382	394	296
75°	150	182	230	268	283	159
85°	28	72	132	174	189	34
90°	1	42	97	137	153	2
95°	0	27	73	110	124	0
105°	0	17	46	73	84	0
115°	0	13	34	53	60	0
125°	1	9	27	40	45	1
135°	1	8	20	29	33	1
145°	1	5	13	20	21	1
155°	1	4	8	12	13	1
165°	1	3	4	5	7	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	927.1	927.1	927.1	927.1	927.1
2.5°	928.4	927.1	931.1	929.8	927.1
5°	925.8	927.1	927.1	928.4	929.8
7.5°	919.2	916.5	920.5	924.5	924.5
10°	911.2	908.5	911.2	913.8	911.2
12.5°	900.6	895.2	904.5	904.5	903.2
15°	885.9	884.6	891.3	893.9	888.6
17.5°	870.0	874.0	874.0	879.3	883.3
20°	855.4	852.7	859.4	863.4	867.3
22.5°	832.8	831.5	839.5	846.1	844.8
25°	810.2	810.2	820.9	828.8	824.8
27.5°	786.3	786.3	798.3	806.3	812.9
30°	762.4	765.1	774.4	785.0	790.3
32.5°	733.2	739.8	749.1	763.7	765.1
35°	706.6	710.6	726.6	737.2	742.5
37.5°	678.7	680.1	698.7	713.3	718.6
40°	648.2	650.8	673.4	686.7	694.7
42.5°	619.0	621.6	642.9	660.1	666.8
45°	585.8	592.4	612.3	630.9	640.2
47.5°	552.6	561.9	581.8	603.0	608.3
50°	518.0	527.3	551.2	568.5	580.4
52.5°	482.2	494.1	518.0	540.6	551.2
55°	447.6	460.9	487.5	510.0	519.3
57.5°	410.4	426.4	455.6	479.5	490.1
60°	375.9	389.2	421.1	446.3	458.2
62.5°	336.0	353.3	387.9	415.7	426.4
65°	298.9	321.4	356.0	382.5	394.5
67.5°	263.0	285.6	324.1	352.0	366.6
70°	224.5	249.7	290.9	322.8	338.7
72.5°	184.6	213.8	260.3	296.2	309.5
75°	150.1	182.0	229.8	268.3	282.9
77.5°	115.6	148.8	201.9	241.7	257.7
80°	81.0	118.2	176.7	217.8	232.4
82.5°	53.1	94.3	152.7	193.9	209.9
85°	27.9	71.7	131.5	174.0	188.6
87.5°	9.3	54.5	112.9	155.4	170.0
90°	1.3	42.5	97.0	136.8	152.7
92.5°	0.0	33.2	83.7	123.5	138.1
95°	0.0	26.6	73.1	110.2	123.5
97.5°	0.0	22.6	65.1	98.3	112.9
100°	0.0	19.9	57.1	89.0	100.9
102.5°	0.0	18.6	51.8	79.7	91.6
105°	0.0	17.3	46.5	73.1	83.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.3	37.2	57.1	65.1
115°	0.0	13.3	34.5	53.1	59.8
117.5°	0.0	12.0	33.2	49.1	55.8
120°	0.0	10.6	30.5	46.5	53.1
122.5°	0.0	10.6	27.9	43.8	49.1
125°	1.3	9.3	26.6	39.8	45.2
127.5°	1.3	9.3	25.2	37.2	42.5
130°	1.3	8.0	22.6	34.5	38.5
132.5°	1.3	8.0	21.3	31.9	35.9
135°	1.3	8.0	19.9	29.2	33.2
137.5°	1.3	6.6	17.3	26.6	30.5
140°	1.3	6.6	15.9	23.9	27.9
142.5°	1.3	6.6	14.6	21.3	25.2
145°	1.3	5.3	13.3	19.9	21.3
147.5°	1.3	5.3	12.0	17.3	19.9
150°	1.3	4.0	10.6	14.6	17.3
152.5°	1.3	4.0	9.3	13.3	14.6
155°	1.3	4.0	8.0	12.0	13.3
157.5°	1.3	4.0	6.6	10.6	10.6
160°	1.3	2.7	5.3	8.0	9.3
162.5°	1.3	2.7	5.3	6.6	8.0
165°	1.3	2.7	4.0	5.3	6.6
167.5°	1.3	1.3	2.7	4.0	5.3
170°	1.3	1.3	2.7	2.7	4.0
172.5°	1.3	1.3	1.3	1.3	2.7
175°	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	15.9	43.8	66.4	77.0
110°	0.0	14.6	39.8	61.1	70.4



(END OF REPORT)