

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: P709899

Luminaire Tested: **8AWWS-L3C3-UNV-4000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709899
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: 8AWWS-L3C3-UNV-4000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

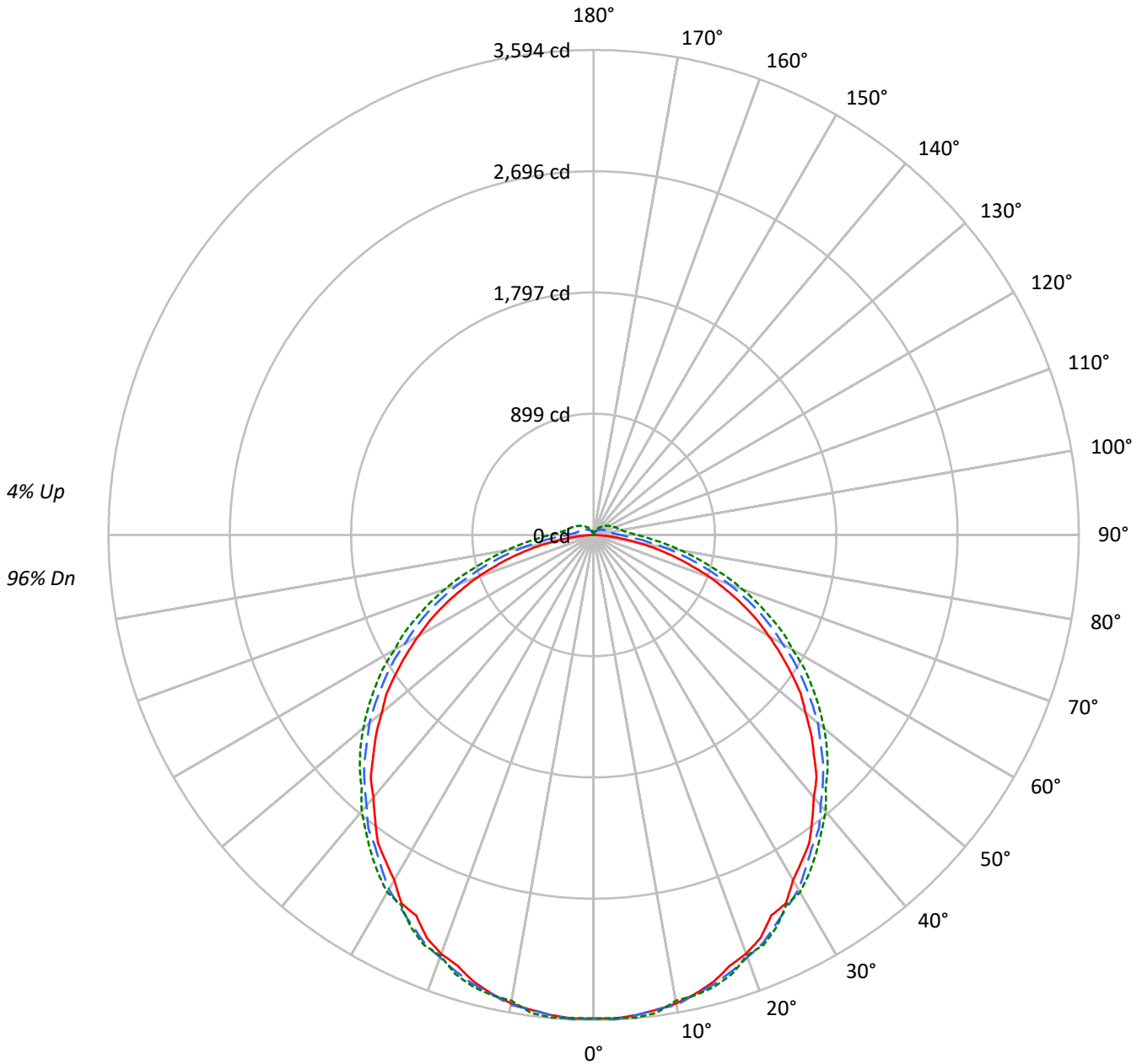
Lumens per Lamp: N/A
Luminaire Lumens: 11052.0 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6263	6263	6263
5°	6255	6181	6188
10°	6232	6103	6002
15°	6166	5978	5943
20°	6092	5854	5742
25°	5939	5718	5643
30°	5884	5601	5520
35°	5849	5410	5365
40°	5680	5259	5206
45°	5575	5119	5029
50°	5422	4944	4870
55°	5270	4710	4669
60°	5039	4420	4396
65°	4789	4165	4152
70°	4406	3782	3819
75°	3823	3305	3411
80°	2977	2779	3046
85°	1713	2258	2718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	3.1
10°-20°	972.0	8.8
20°-30°	1466.6	13.3
30°-40°	1770.1	16.0
40°-50°	1844.6	16.7
50°-60°	1690.7	15.3
60°-70°	1325.9	12.0
70°-80°	819.7	7.4
80°-90°	347.6	3.1
90°-100°	152.2	1.4
100°-110°	108.0	1.0
110°-120°	81.1	0.7
120°-130°	57.8	0.5
130°-140°	38.1	0.3
140°-150°	22.6	0.2
150°-160°	10.8	0.1
160°-170°	3.6	0.0
170°-180°	0.5	0.0
0°-30°	2778.8	25.1
0°-40°	4548.8	41.2
0°-60°	8084.2	73.1
0°-90°	10577.3	95.7
90°-120°	341.3	3.1
90°-150°	459.8	4.2
90°-180°	475.0	4.3
0°-180°	11052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3583	3583	3583	3583	3583	
5°	3572	3580	3572	3572	3590	339
15°	3429	3436	3447	3457	3465	966
25°	3112	3166	3188	3192	3206	1448
35°	2785	2796	2821	2868	2875	1732
45°	2307	2336	2404	2440	2451	1782
55°	1786	1833	1901	1941	1980	1596
65°	1215	1262	1355	1409	1445	1199
75°	615	679	784	870	891	653
85°	108	194	320	413	453	137
90°	7	83	198	284	320	7
95°	0	54	144	216	248	0
105°	0	40	108	165	187	0
115°	0	32	86	133	151	0
125°	0	29	68	101	119	0
135°	0	22	54	76	90	0
145°	4	18	40	54	61	2
155°	4	11	25	36	40	2
165°	4	7	11	18	18	1
175°	4	4	4	4	7	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3583.2	3583.2	3583.2	3583.2	3583.2
2.5°	3586.8	3601.2	3594.0	3586.8	3583.2
5°	3572.4	3579.6	3572.4	3572.4	3590.4
7.5°	3550.9	3561.7	3547.3	3568.8	3572.4
10°	3525.7	3540.1	3536.5	3543.7	3504.1
12.5°	3482.6	3500.6	3486.2	3504.1	3493.4
15°	3428.7	3435.9	3446.6	3457.4	3464.6
17.5°	3349.6	3382.0	3392.7	3403.5	3410.7
20°	3302.9	3320.9	3331.6	3328.0	3317.3
22.5°	3231.0	3241.8	3274.1	3266.9	3288.5
25°	3112.4	3166.3	3187.9	3191.5	3205.8
27.5°	3080.1	3083.6	3108.8	3130.4	3090.8
30°	2954.3	2997.4	3033.3	3044.1	3058.5
32.5°	2868.0	2904.0	2925.5	2965.0	2972.2
35°	2785.3	2796.1	2821.3	2868.0	2875.2
37.5°	2659.6	2691.9	2742.2	2767.4	2771.0
40°	2537.4	2576.9	2616.4	2645.2	2673.9
42.5°	2443.9	2465.5	2512.2	2548.1	2544.6
45°	2307.3	2336.1	2404.4	2440.3	2451.1
47.5°	2185.2	2228.3	2278.6	2332.5	2343.3
50°	2048.6	2095.3	2167.2	2206.7	2228.3
52.5°	1933.6	1962.3	2034.2	2073.7	2106.1
55°	1786.2	1832.9	1901.2	1940.8	1980.3
57.5°	1642.5	1700.0	1768.2	1832.9	1854.5
60°	1498.7	1556.2	1617.3	1689.2	1703.6
62.5°	1362.1	1423.2	1487.9	1559.8	1588.5
65°	1214.8	1261.5	1354.9	1408.8	1444.8
67.5°	1060.2	1117.7	1207.6	1268.7	1311.8
70°	916.5	981.2	1067.4	1142.9	1168.0
72.5°	758.3	837.4	920.1	999.1	1035.1
75°	614.6	679.3	783.5	869.7	891.3
77.5°	478.0	539.1	650.5	736.8	769.1
80°	334.2	409.7	528.3	614.6	654.1
82.5°	212.0	291.1	413.3	506.8	549.9
85°	107.8	194.1	319.9	413.3	452.8
87.5°	35.9	122.2	244.4	341.4	381.0
90°	7.2	82.7	197.7	283.9	319.9
92.5°	0.0	61.1	165.3	244.4	276.7
95°	0.0	53.9	143.8	215.6	248.0
97.5°	0.0	50.3	133.0	197.7	222.8
100°	0.0	46.7	122.2	183.3	208.5
102.5°	0.0	43.1	115.0	172.5	197.7
105°	0.0	39.5	107.8	165.3	186.9



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CATALOG NUMBER: 8AWWS-L3C3-UNV-4000K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.9	93.4	136.6	158.1
115°	0.0	32.3	86.3	133.0	150.9
117.5°	0.0	32.3	82.7	122.2	140.2
120°	0.0	28.8	75.5	115.0	133.0
122.5°	0.0	28.8	71.9	111.4	125.8
125°	0.0	28.8	68.3	100.6	118.6
127.5°	0.0	25.2	64.7	97.0	107.8
130°	0.0	25.2	61.1	89.8	100.6
132.5°	0.0	21.6	57.5	82.7	93.4
135°	0.0	21.6	53.9	75.5	89.8
137.5°	0.0	21.6	50.3	71.9	79.1
140°	0.0	18.0	46.7	64.7	75.5
142.5°	3.6	18.0	39.5	61.1	68.3
145°	3.6	18.0	39.5	53.9	61.1
147.5°	3.6	14.4	35.9	50.3	57.5
150°	3.6	14.4	32.3	43.1	50.3
152.5°	3.6	10.8	28.8	39.5	43.1
155°	3.6	10.8	25.2	35.9	39.5
157.5°	3.6	10.8	21.6	28.8	32.3
160°	3.6	7.2	18.0	25.2	28.8
162.5°	3.6	7.2	14.4	21.6	25.2
165°	3.6	7.2	10.8	18.0	18.0
167.5°	3.6	7.2	10.8	14.4	14.4
170°	3.6	3.6	7.2	10.8	10.8
172.5°	3.6	3.6	7.2	7.2	7.2
175°	3.6	3.6	3.6	3.6	7.2
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	39.5	104.2	154.5	176.1
110°	0.0	35.9	97.0	147.4	168.9



(END OF REPORT)