

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: P709896

Luminaire Tested: **8AWWS-L3C3-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709896
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-3500K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

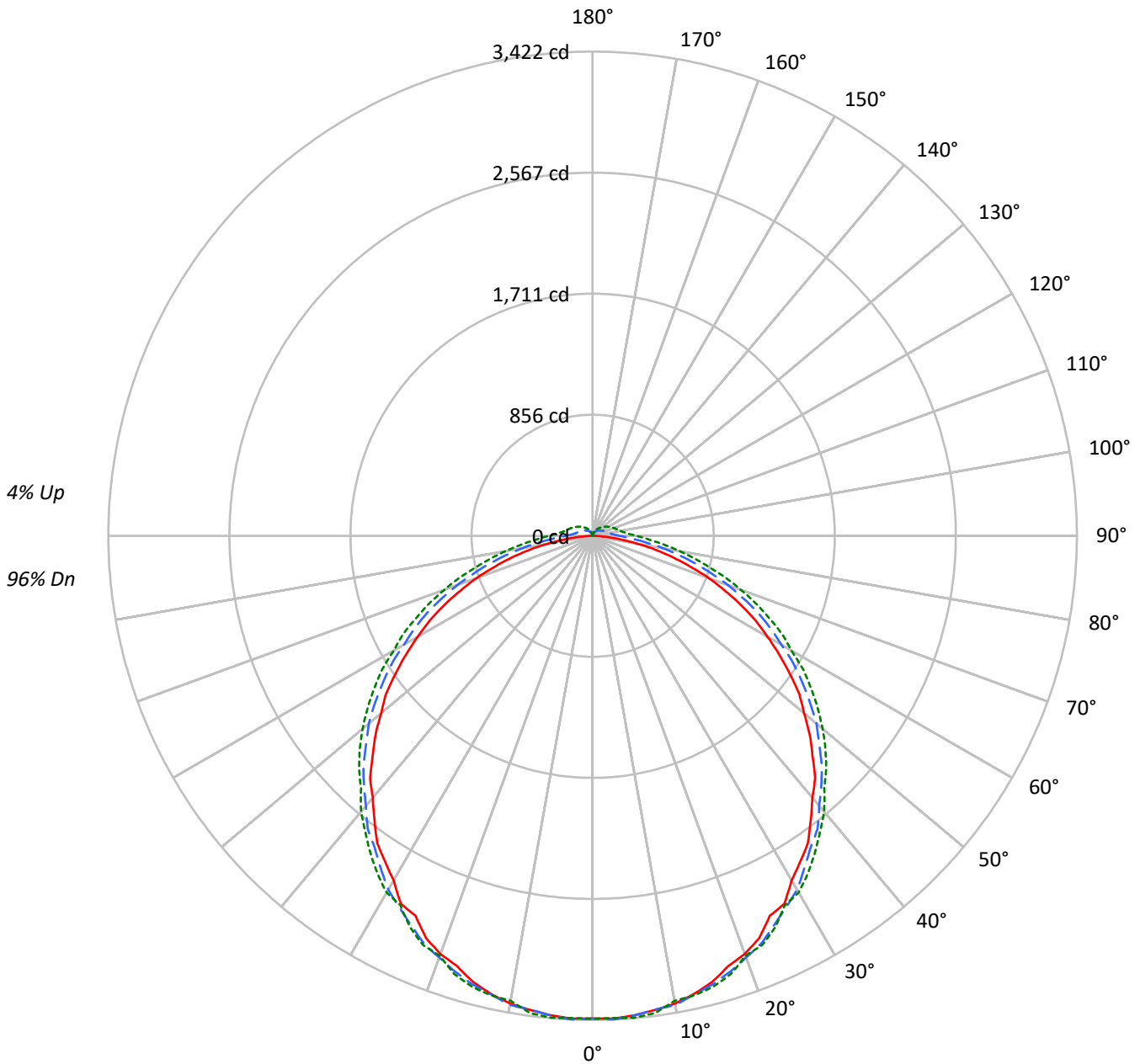
Lumens per Lamp: N/A
Luminaire Lumens: 10523.0 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77
Input Voltage (V): NR
Input Current (Ain): 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°	5963	5963	5963
5°	5956	5885	5892
10°	5934	5811	5715
15°	5871	5692	5658
20°	5801	5573	5467
25°	5654	5445	5373
30°	5603	5333	5256
35°	5569	5151	5108
40°	5408	5007	4957
45°	5309	4874	4788
50°	5163	4707	4637
55°	5018	4485	4445
60°	4798	4209	4185
65°	4559	3966	3953
70°	4195	3601	3637
75°	3641	3147	3248
80°	2834	2646	2900
85°	1632	2150	2588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	3.1
10°-20°	925.5	8.8
20°-30°	1396.4	13.3
30°-40°	1685.4	16.0
40°-50°	1756.3	16.7
50°-60°	1609.8	15.3
60°-70°	1262.4	12.0
70°-80°	780.4	7.4
80°-90°	330.9	3.1
90°-100°	144.9	1.4
100°-110°	102.9	1.0
110°-120°	77.2	0.7
120°-130°	55.1	0.5
130°-140°	36.3	0.3
140°-150°	21.5	0.2
150°-160°	10.3	0.1
160°-170°	3.4	0.0
170°-180°	0.5	0.0
0°-30°	2645.8	25.1
0°-40°	4331.1	41.2
0°-60°	7697.2	73.1
0°-90°	10071.1	95.7
90°-120°	325.0	3.1
90°-150°	437.8	4.2
90°-180°	452.0	4.3
0°-180°	10523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3412	3412	3412	3412	3412	
5°	3401	3408	3401	3401	3419	323
15°	3265	3271	3282	3292	3299	919
25°	2963	3015	3035	3039	3052	1379
35°	2652	2662	2686	2731	2738	1649
45°	2197	2224	2289	2324	2334	1696
55°	1701	1745	1810	1848	1886	1519
65°	1157	1201	1290	1341	1376	1141
75°	585	647	746	828	849	621
85°	103	185	305	394	431	131
90°	7	79	188	270	305	7
95°	0	51	137	205	236	0
105°	0	38	103	157	178	0
115°	0	31	82	127	144	0
125°	0	27	65	96	113	0
135°	0	20	51	72	86	0
145°	3	17	38	51	58	2
155°	3	10	24	34	38	2
165°	3	7	10	17	17	1
175°	3	3	3	3	7	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3411.7	3411.7	3411.7	3411.7	3411.7
2.5°	3415.1	3428.8	3422.0	3415.1	3411.7
5°	3401.4	3408.3	3401.4	3401.4	3418.6
7.5°	3380.9	3391.2	3377.5	3398.0	3401.4
10°	3357.0	3370.6	3367.2	3374.1	3336.4
12.5°	3315.9	3333.0	3319.3	3336.4	3326.2
15°	3264.6	3271.4	3281.7	3291.9	3298.8
17.5°	3189.3	3220.1	3230.3	3240.6	3247.5
20°	3144.8	3161.9	3172.2	3168.7	3158.5
22.5°	3076.4	3086.6	3117.4	3110.6	3131.1
25°	2963.4	3014.8	3035.3	3038.7	3052.4
27.5°	2932.6	2936.1	2960.0	2980.5	2942.9
30°	2812.9	2853.9	2888.1	2898.4	2912.1
32.5°	2730.7	2765.0	2785.5	2823.1	2830.0
35°	2652.0	2662.3	2686.2	2730.7	2737.6
37.5°	2532.3	2563.1	2611.0	2634.9	2638.3
40°	2415.9	2453.6	2491.2	2518.6	2545.9
42.5°	2326.9	2347.5	2392.0	2426.2	2422.8
45°	2196.9	2224.3	2289.3	2323.5	2333.8
47.5°	2080.6	2121.6	2169.5	2220.9	2231.1
50°	1950.5	1995.0	2063.4	2101.1	2121.6
52.5°	1841.0	1868.4	1936.8	1974.5	2005.3
55°	1700.7	1745.2	1810.2	1847.9	1885.5
57.5°	1563.8	1618.6	1683.6	1745.2	1765.7
60°	1427.0	1481.7	1539.9	1608.3	1622.0
62.5°	1296.9	1355.1	1416.7	1485.1	1512.5
65°	1156.6	1201.1	1290.1	1341.4	1375.6
67.5°	1009.5	1064.2	1149.8	1208.0	1249.0
70°	872.6	934.2	1016.3	1088.2	1112.1
72.5°	722.0	797.3	876.0	951.3	985.5
75°	585.2	646.8	746.0	828.1	848.6
77.5°	455.1	513.3	619.4	701.5	732.3
80°	318.2	390.1	503.0	585.2	622.8
82.5°	201.9	277.2	393.5	482.5	523.6
85°	102.7	184.8	304.6	393.5	431.2
87.5°	34.2	116.3	232.7	325.1	362.7
90°	6.8	78.7	188.2	270.3	304.6
92.5°	0.0	58.2	157.4	232.7	263.5
95°	0.0	51.3	136.9	205.3	236.1
97.5°	0.0	47.9	126.6	188.2	212.2
100°	0.0	44.5	116.3	174.5	198.5
102.5°	0.0	41.1	109.5	164.3	188.2
105°	0.0	37.6	102.7	157.4	177.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.2	89.0	130.0	150.6
115°	0.0	30.8	82.1	126.6	143.7
117.5°	0.0	30.8	78.7	116.3	133.5
120°	0.0	27.4	71.9	109.5	126.6
122.5°	0.0	27.4	68.4	106.1	119.8
125°	0.0	27.4	65.0	95.8	112.9
127.5°	0.0	24.0	61.6	92.4	102.7
130°	0.0	24.0	58.2	85.5	95.8
132.5°	0.0	20.5	54.8	78.7	89.0
135°	0.0	20.5	51.3	71.9	85.5
137.5°	0.0	20.5	47.9	68.4	75.3
140°	0.0	17.1	44.5	61.6	71.9
142.5°	3.4	17.1	37.6	58.2	65.0
145°	3.4	17.1	37.6	51.3	58.2
147.5°	3.4	13.7	34.2	47.9	54.8
150°	3.4	13.7	30.8	41.1	47.9
152.5°	3.4	10.3	27.4	37.6	41.1
155°	3.4	10.3	24.0	34.2	37.6
157.5°	3.4	10.3	20.5	27.4	30.8
160°	3.4	6.8	17.1	24.0	27.4
162.5°	3.4	6.8	13.7	20.5	24.0
165°	3.4	6.8	10.3	17.1	17.1
167.5°	3.4	6.8	10.3	13.7	13.7
170°	3.4	3.4	6.8	10.3	10.3
172.5°	3.4	3.4	6.8	6.8	6.8
175°	3.4	3.4	3.4	3.4	6.8
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	37.6	99.2	147.1	167.7
110°	0.0	34.2	92.4	140.3	160.8



(END OF REPORT)