

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: P709902

Luminaire Tested: **8AWWS-L3C3-UNV-5000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709902
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-5000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

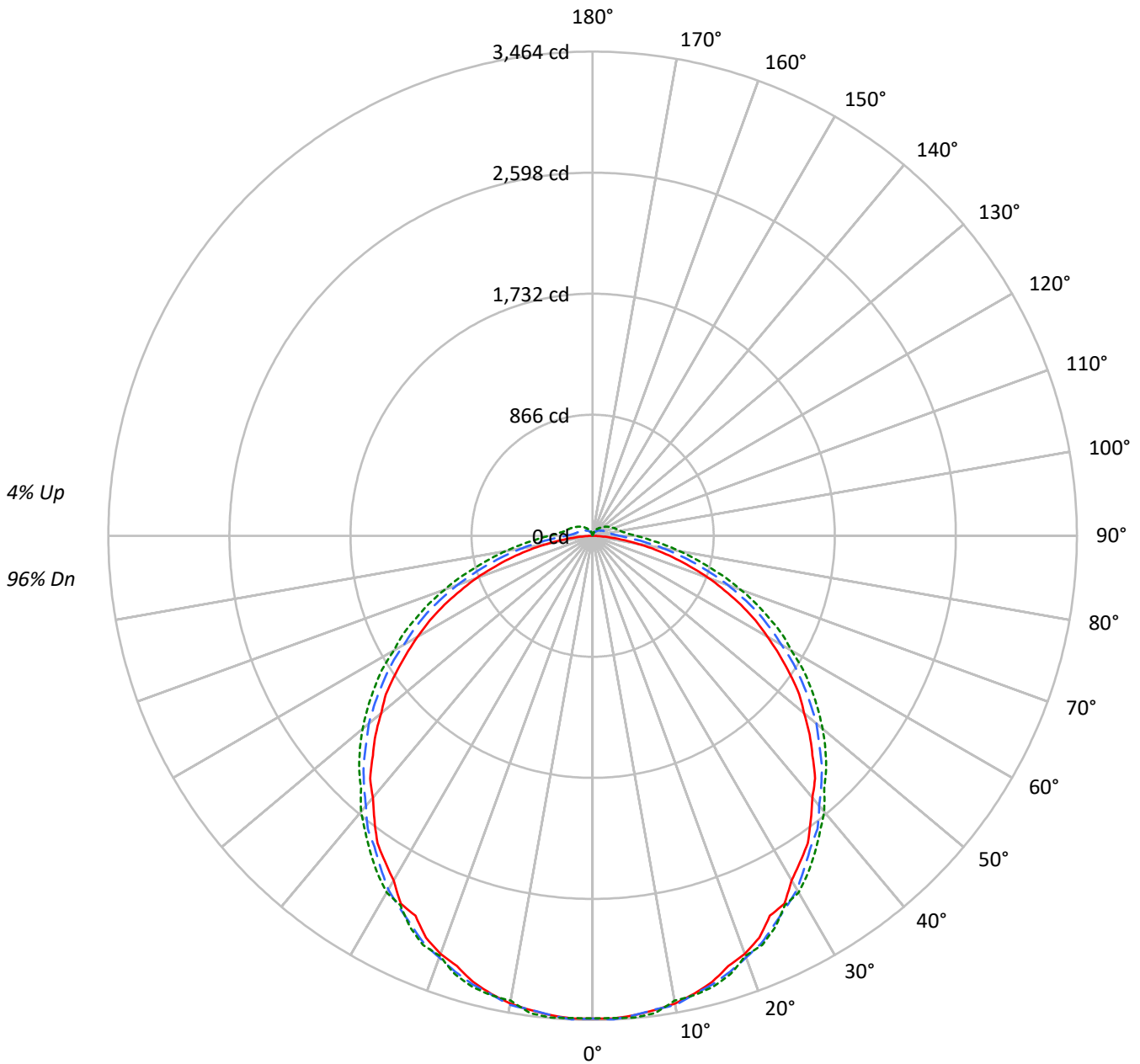
Lumens per Lamp: N/A
Luminaire Lumens: 10651.0 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77
Input Voltage (V): NR
Input Current (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°	6035	6035	6035
5°	6028	5956	5964
10°	6006	5882	5784
15°	5942	5762	5727
20°	5871	5641	5534
25°	5723	5511	5439
30°	5671	5398	5320
35°	5637	5213	5171
40°	5474	5068	5017
45°	5373	4933	4846
50°	5226	4764	4693
55°	5079	4539	4499
60°	4856	4260	4236
65°	4615	4014	4001
70°	4246	3644	3681
75°	3685	3185	3288
80°	2869	2678	2935
85°	1651	2177	2619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	3.1
10°-20°	936.8	8.8
20°-30°	1413.4	13.3
30°-40°	1705.9	16.0
40°-50°	1777.7	16.7
50°-60°	1629.4	15.3
60°-70°	1277.8	12.0
70°-80°	789.9	7.4
80°-90°	335.0	3.1
90°-100°	146.7	1.4
100°-110°	104.1	1.0
110°-120°	78.1	0.7
120°-130°	55.7	0.5
130°-140°	36.7	0.3
140°-150°	21.8	0.2
150°-160°	10.4	0.1
160°-170°	3.4	0.0
170°-180°	0.5	0.0
0°-30°	2677.9	25.1
0°-40°	4383.8	41.2
0°-60°	7790.9	73.1
0°-90°	10193.6	95.7
90°-120°	328.9	3.1
90°-150°	443.1	4.2
90°-180°	457.0	4.3
0°-180°	10651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3453	3453	3453	3453	3453	
5°	3443	3450	3443	3443	3460	327
15°	3304	3311	3322	3332	3339	931
25°	3000	3051	3072	3076	3090	1395
35°	2684	2695	2719	2764	2771	1669
45°	2224	2251	2317	2352	2362	1717
55°	1721	1766	1832	1870	1908	1538
65°	1171	1216	1306	1358	1392	1155
75°	592	655	755	838	859	629
85°	104	187	308	398	436	132
90°	7	80	190	274	308	7
95°	0	52	138	208	239	0
105°	0	38	104	159	180	0
115°	0	31	83	128	146	0
125°	0	28	66	97	114	0
135°	0	21	52	73	87	0
145°	4	17	38	52	59	2
155°	4	10	24	35	38	2
165°	4	7	10	17	17	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°	3453.2	3453.2	3453.2	3453.2	3453.2
2.5°	3456.7	3470.5	3463.6	3456.7	3453.2
5°	3442.8	3449.7	3442.8	3442.8	3460.1
7.5°	3422.0	3432.4	3418.6	3439.4	3442.8
10°	3397.8	3411.6	3408.2	3415.1	3377.0
12.5°	3356.2	3373.5	3359.7	3377.0	3366.6
15°	3304.3	3311.2	3321.6	3332.0	3338.9
17.5°	3228.1	3259.2	3269.6	3280.0	3287.0
20°	3183.0	3200.4	3210.8	3207.3	3196.9
22.5°	3113.8	3124.2	3155.3	3148.4	3169.2
25°	2999.5	3051.4	3072.2	3075.7	3089.5
27.5°	2968.3	2971.8	2996.0	3016.8	2978.7
30°	2847.1	2888.6	2923.3	2933.7	2947.5
32.5°	2764.0	2798.6	2819.4	2857.5	2864.4
35°	2684.3	2694.7	2718.9	2764.0	2770.9
37.5°	2563.1	2594.2	2642.7	2667.0	2670.4
40°	2445.3	2483.4	2521.5	2549.2	2576.9
42.5°	2355.2	2376.0	2421.1	2455.7	2452.2
45°	2223.6	2251.3	2317.1	2351.8	2362.2
47.5°	2105.9	2147.4	2195.9	2247.9	2258.3
50°	1974.3	2019.3	2088.5	2126.6	2147.4
52.5°	1863.4	1891.1	1960.4	1998.5	2029.7
55°	1721.4	1766.4	1832.2	1870.3	1908.4
57.5°	1582.9	1638.3	1704.1	1766.4	1787.2
60°	1444.3	1499.7	1558.6	1627.9	1641.7
62.5°	1312.7	1371.6	1433.9	1503.2	1530.9
65°	1170.7	1215.7	1305.8	1357.7	1392.4
67.5°	1021.8	1077.2	1163.8	1222.6	1264.2
70°	883.2	945.6	1028.7	1101.4	1125.7
72.5°	730.8	807.0	886.7	962.9	997.5
75°	592.3	654.6	755.1	838.2	859.0
77.5°	460.7	519.5	626.9	710.0	741.2
80°	322.1	394.9	509.1	592.3	630.4
82.5°	204.4	280.6	398.3	488.4	529.9
85°	103.9	187.0	308.3	398.3	436.4
87.5°	34.6	117.8	235.5	329.0	367.1
90°	6.9	79.7	190.5	273.6	308.3
92.5°	0.0	58.9	159.3	235.5	266.7
95°	0.0	52.0	138.5	207.8	239.0
97.5°	0.0	48.5	128.2	190.5	214.7
100°	0.0	45.0	117.8	176.6	200.9
102.5°	0.0	41.6	110.8	166.3	190.5
105°	0.0	38.1	103.9	159.3	180.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.6	90.1	131.6	152.4
115°	0.0	31.2	83.1	128.2	145.5
117.5°	0.0	31.2	79.7	117.8	135.1
120°	0.0	27.7	72.7	110.8	128.2
122.5°	0.0	27.7	69.3	107.4	121.2
125°	0.0	27.7	65.8	97.0	114.3
127.5°	0.0	24.2	62.3	93.5	103.9
130°	0.0	24.2	58.9	86.6	97.0
132.5°	0.0	20.8	55.4	79.7	90.1
135°	0.0	20.8	52.0	72.7	86.6
137.5°	0.0	20.8	48.5	69.3	76.2
140°	0.0	17.3	45.0	62.3	72.7
142.5°	3.5	17.3	38.1	58.9	65.8
145°	3.5	17.3	38.1	52.0	58.9
147.5°	3.5	13.9	34.6	48.5	55.4
150°	3.5	13.9	31.2	41.6	48.5
152.5°	3.5	10.4	27.7	38.1	41.6
155°	3.5	10.4	24.2	34.6	38.1
157.5°	3.5	10.4	20.8	27.7	31.2
160°	3.5	6.9	17.3	24.2	27.7
162.5°	3.5	6.9	13.9	20.8	24.2
165°	3.5	6.9	10.4	17.3	17.3
167.5°	3.5	6.9	10.4	13.9	13.9
170°	3.5	3.5	6.9	10.4	10.4
172.5°	3.5	3.5	6.9	6.9	6.9
175°	3.5	3.5	3.5	3.5	6.9
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	38.1	100.4	148.9	169.7
110°	0.0	34.6	93.5	142.0	162.8



(END OF REPORT)