

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: P709878

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709878
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-HO-UNV-3500K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

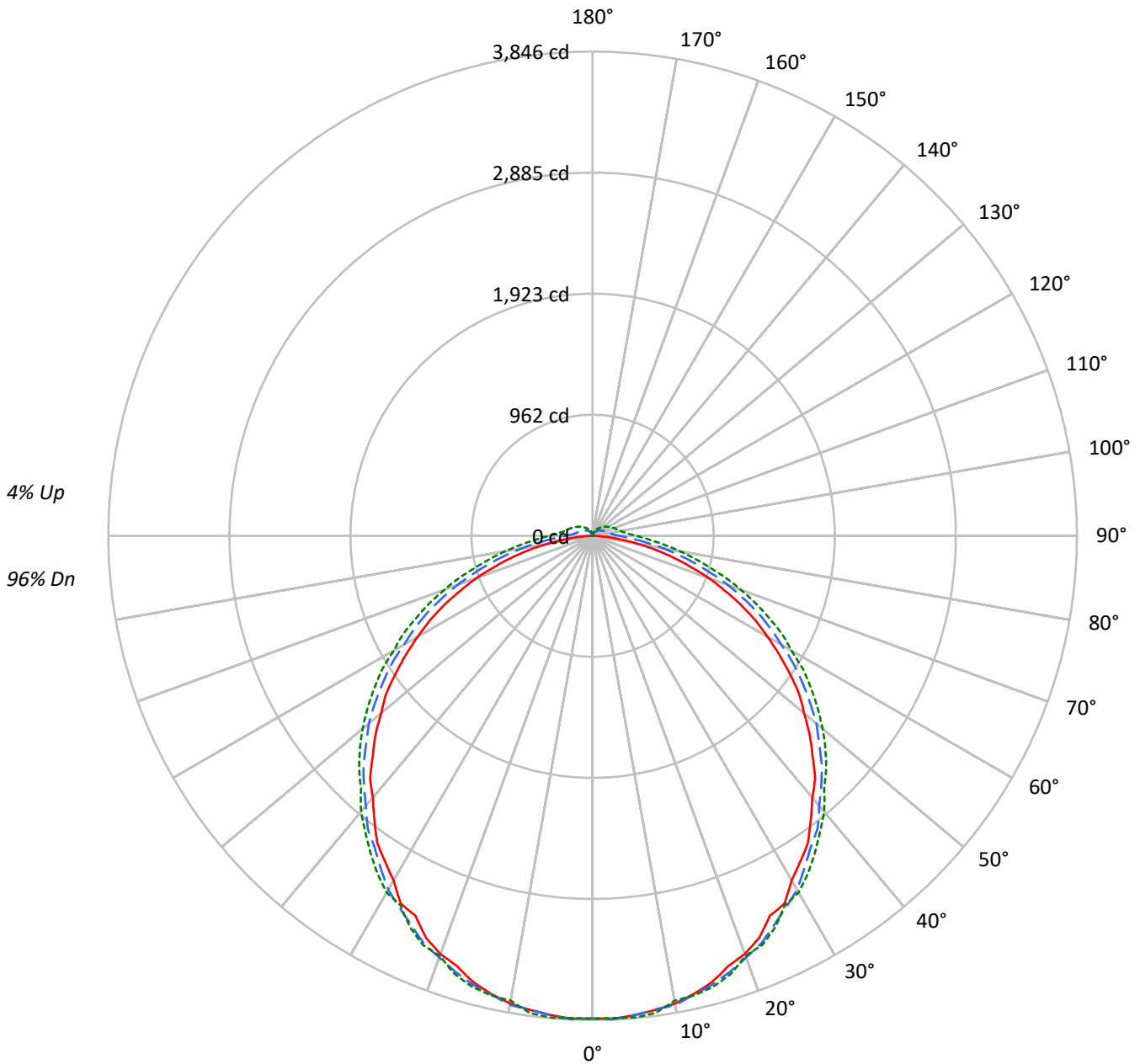
Lumens per Lamp: N/A
Luminaire Lumens: 11826.0 lumens
Efficiency: N/A
Efficacy: 166.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 71
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	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°	6701	6701	6701
5°	6693	6613	6622
10°	6668	6531	6423
15°	6598	6397	6359
20°	6519	6264	6144
25°	6355	6119	6039
30°	6297	5993	5906
35°	6259	5789	5741
40°	6078	5627	5571
45°	5966	5477	5381
50°	5802	5290	5211
55°	5640	5040	4996
60°	5392	4730	4703
65°	5124	4457	4442
70°	4715	4047	4087
75°	4091	3536	3650
80°	3185	2974	3259
85°	1834	2417	2909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.9	3.1
10°-20°	1040.1	8.8
20°-30°	1569.3	13.3
30°-40°	1894.1	16.0
40°-50°	1973.8	16.7
50°-60°	1809.2	15.3
60°-70°	1418.8	12.0
70°-80°	877.1	7.4
80°-90°	371.9	3.1
90°-100°	162.9	1.4
100°-110°	115.6	1.0
110°-120°	86.7	0.7
120°-130°	61.9	0.5
130°-140°	40.8	0.3
140°-150°	24.2	0.2
150°-160°	11.5	0.1
160°-170°	3.8	0.0
170°-180°	0.5	0.0
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0°-30°	2973.4	25.1
0°-40°	4867.4	41.2
0°-60°	8650.4	73.1
0°-90°	11318.1	95.7
90°-120°	365.2	3.1
90°-150°	492.0	4.2
90°-180°	508.0	4.3
0°-180°	11826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3834	3834	3834	3834	3834	
5°	3823	3830	3823	3823	3842	363
15°	3669	3676	3688	3700	3707	1033
25°	3330	3388	3411	3415	3430	1549
35°	2980	2992	3019	3069	3077	1853
45°	2469	2500	2573	2611	2623	1906
55°	1911	1961	2034	2077	2119	1707
65°	1300	1350	1450	1508	1546	1282
75°	658	727	838	931	954	698
85°	115	208	342	442	485	147
90°	8	88	212	304	342	7
95°	0	58	154	231	265	0
105°	0	42	115	177	200	0
115°	0	35	92	142	162	0
125°	0	31	73	108	127	0
135°	0	23	58	81	96	0
145°	4	19	42	58	65	2
155°	4	12	27	38	42	2
165°	4	8	12	19	19	1
175°	4	4	4	4	8	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3834.2	3834.2	3834.2	3834.2	3834.2
2.5°	3838.0	3853.4	3845.7	3838.0	3834.2
5°	3822.6	3830.3	3822.6	3822.6	3841.8
7.5°	3799.5	3811.1	3795.7	3818.8	3822.6
10°	3772.6	3788.0	3784.2	3791.9	3749.6
12.5°	3726.5	3745.7	3730.3	3749.6	3738.0
15°	3668.8	3676.5	3688.0	3699.6	3707.2
17.5°	3584.2	3618.8	3630.3	3641.9	3649.6
20°	3534.2	3553.4	3565.0	3561.1	3549.6
22.5°	3457.3	3468.8	3503.4	3495.7	3518.8
25°	3330.4	3388.1	3411.1	3415.0	3430.4
27.5°	3295.8	3299.6	3326.5	3349.6	3307.3
30°	3161.2	3207.3	3245.8	3257.3	3272.7
32.5°	3068.9	3107.3	3130.4	3172.7	3180.4
35°	2980.4	2992.0	3018.9	3068.9	3076.6
37.5°	2845.8	2880.4	2934.3	2961.2	2965.0
40°	2715.1	2757.4	2799.7	2830.4	2861.2
42.5°	2615.1	2638.1	2688.1	2726.6	2722.8
45°	2468.9	2499.7	2572.8	2611.2	2622.8
47.5°	2338.2	2384.3	2438.2	2495.9	2507.4
50°	2192.0	2242.0	2319.0	2361.3	2384.3
52.5°	2069.0	2099.7	2176.7	2219.0	2253.6
55°	1911.3	1961.3	2034.4	2076.7	2119.0
57.5°	1757.5	1819.0	1892.1	1961.3	1984.4
60°	1603.7	1665.2	1730.6	1807.5	1822.9
62.5°	1457.5	1522.9	1592.1	1669.0	1699.8
65°	1299.8	1349.8	1449.8	1507.5	1546.0
67.5°	1134.5	1196.0	1292.2	1357.5	1403.7
70°	980.7	1049.9	1142.2	1222.9	1249.9
72.5°	811.4	896.0	984.5	1069.1	1107.6
75°	657.6	726.8	838.4	930.7	953.7
77.5°	511.5	576.9	696.1	788.4	823.0
80°	357.6	438.4	565.3	657.6	699.9
82.5°	226.9	311.5	442.3	542.2	588.4
85°	115.4	207.7	342.3	442.3	484.6
87.5°	38.5	130.8	261.5	365.3	407.6
90°	7.7	88.5	211.5	303.8	342.3
92.5°	0.0	65.4	176.9	261.5	296.1
95°	0.0	57.7	153.8	230.7	265.4
97.5°	0.0	53.8	142.3	211.5	238.4
100°	0.0	50.0	130.8	196.1	223.1
102.5°	0.0	46.1	123.1	184.6	211.5
105°	0.0	42.3	115.4	176.9	200.0



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CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.5	100.0	146.1	169.2
115°	0.0	34.6	92.3	142.3	161.5
117.5°	0.0	34.6	88.5	130.8	150.0
120°	0.0	30.8	80.8	123.1	142.3
122.5°	0.0	30.8	76.9	119.2	134.6
125°	0.0	30.8	73.1	107.7	126.9
127.5°	0.0	26.9	69.2	103.8	115.4
130°	0.0	26.9	65.4	96.1	107.7
132.5°	0.0	23.1	61.5	88.5	100.0
135°	0.0	23.1	57.7	80.8	96.1
137.5°	0.0	23.1	53.8	76.9	84.6
140°	0.0	19.2	50.0	69.2	80.8
142.5°	3.8	19.2	42.3	65.4	73.1
145°	3.8	19.2	42.3	57.7	65.4
147.5°	3.8	15.4	38.5	53.8	61.5
150°	3.8	15.4	34.6	46.1	53.8
152.5°	3.8	11.5	30.8	42.3	46.1
155°	3.8	11.5	26.9	38.5	42.3
157.5°	3.8	11.5	23.1	30.8	34.6
160°	3.8	7.7	19.2	26.9	30.8
162.5°	3.8	7.7	15.4	23.1	26.9
165°	3.8	7.7	11.5	19.2	19.2
167.5°	3.8	7.7	11.5	15.4	15.4
170°	3.8	3.8	7.7	11.5	11.5
172.5°	3.8	3.8	7.7	7.7	7.7
175°	3.8	3.8	3.8	3.8	7.7
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	42.3	111.5	165.4	188.4
110°	0.0	38.5	103.8	157.7	180.7



(END OF REPORT)