

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: P709906

Luminaire Tested: **8AWWS-L3C39-UNV-4000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709906
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-L3C39-UNV-4000K-HI
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

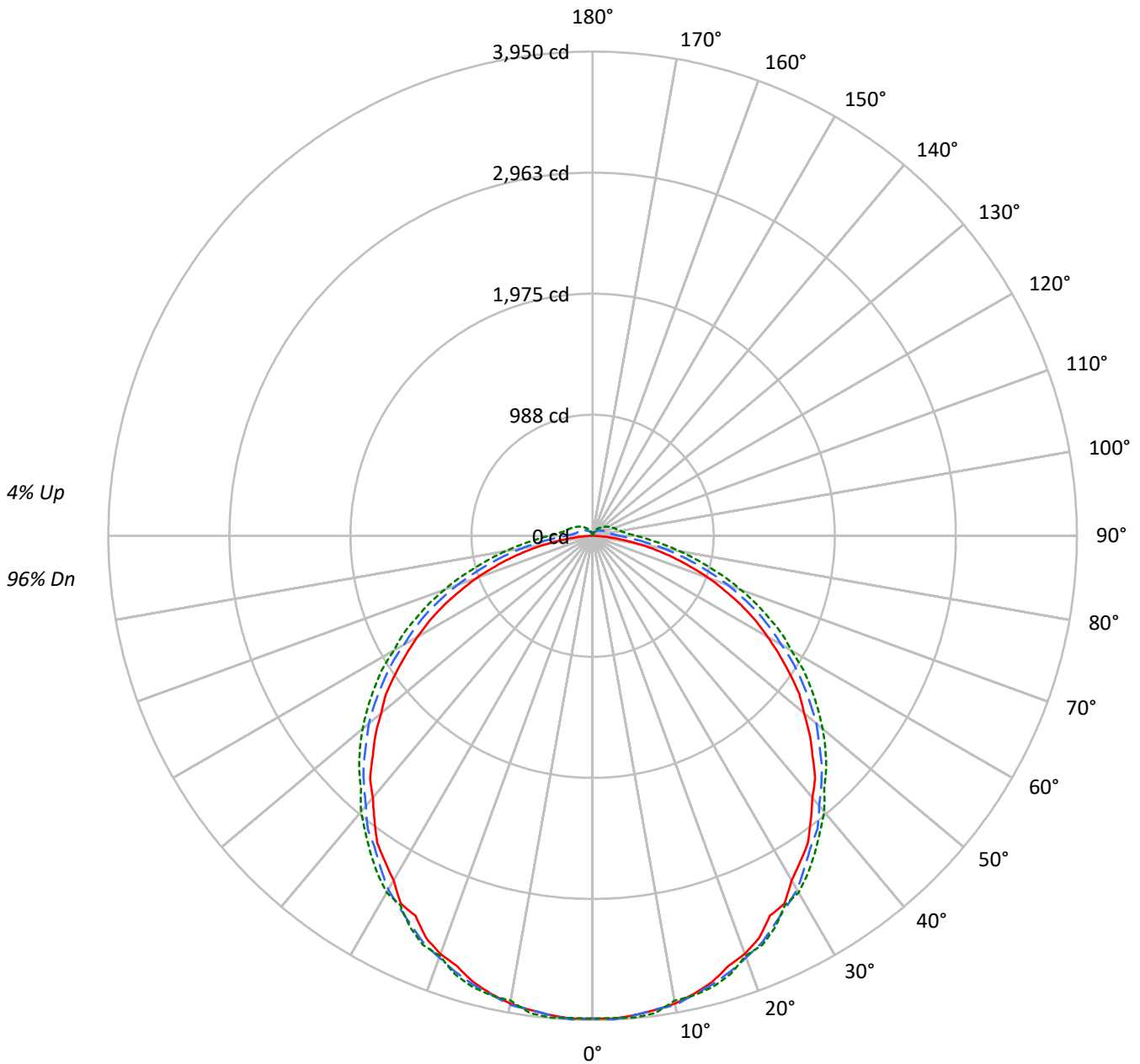
Lumens per Lamp: N/A
Luminaire Lumens: 12145.9 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 82
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	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°	6883	6883	6883
5°	6874	6792	6801
10°	6849	6707	6596
15°	6777	6570	6531
20°	6695	6433	6310
25°	6527	6284	6202
30°	6467	6155	6066
35°	6428	5945	5896
40°	6242	5780	5721
45°	6127	5625	5526
50°	5959	5433	5352
55°	5792	5176	5131
60°	5537	4858	4831
65°	5262	4578	4563
70°	4842	4156	4198
75°	4202	3632	3749
80°	3272	3054	3347
85°	1883	2481	2987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.8	3.1
10°-20°	1068.2	8.8
20°-30°	1611.8	13.3
30°-40°	1945.3	16.0
40°-50°	2027.2	16.7
50°-60°	1858.1	15.3
60°-70°	1457.2	12.0
70°-80°	900.8	7.4
80°-90°	382.0	3.1
90°-100°	167.3	1.4
100°-110°	118.7	1.0
110°-120°	89.1	0.7
120°-130°	63.5	0.5
130°-140°	41.9	0.3
140°-150°	24.8	0.2
150°-160°	11.8	0.1
160°-170°	3.9	0.0
170°-180°	0.6	0.0
0°-30°	3053.8	25.1
0°-40°	4999.1	41.2
0°-60°	8884.4	73.1
0°-90°	11624.3	95.7
90°-120°	375.0	3.1
90°-150°	505.2	4.2
90°-180°	522.0	4.3
0°-180°	12145.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3938	3938	3938	3938	3938	
5°	3926	3934	3926	3926	3946	373
15°	3768	3776	3788	3800	3808	1061
25°	3420	3480	3503	3507	3523	1591
35°	3061	3073	3101	3152	3160	1903
45°	2536	2567	2642	2682	2694	1958
55°	1963	2014	2089	2133	2176	1754
65°	1335	1386	1489	1548	1588	1317
75°	675	746	861	956	980	717
85°	118	213	352	454	498	151
90°	8	91	217	312	352	8
95°	0	59	158	237	272	0
105°	0	43	118	182	205	0
115°	0	36	95	146	166	0
125°	0	32	75	111	130	0
135°	0	24	59	83	99	0
145°	4	20	43	59	67	2
155°	4	12	28	40	43	2
165°	4	8	12	20	20	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°	3937.9	3937.9	3937.9	3937.9	3937.9
2.5°	3941.9	3957.7	3949.8	3941.9	3937.9
5°	3926.1	3934.0	3926.1	3926.1	3945.8
7.5°	3902.4	3914.2	3898.4	3922.1	3926.1
10°	3874.7	3890.5	3886.6	3894.5	3851.0
12.5°	3827.3	3847.1	3831.3	3851.0	3839.2
15°	3768.1	3776.0	3787.8	3799.7	3807.6
17.5°	3681.2	3716.7	3728.6	3740.4	3748.3
20°	3629.8	3649.6	3661.4	3657.5	3645.6
22.5°	3550.8	3562.7	3598.2	3590.3	3614.0
25°	3420.5	3479.7	3503.4	3507.4	3523.2
27.5°	3384.9	3388.9	3416.5	3440.2	3396.8
30°	3246.7	3294.1	3333.6	3345.4	3361.2
32.5°	3151.9	3191.4	3215.1	3258.5	3266.4
35°	3061.1	3072.9	3100.6	3151.9	3159.8
37.5°	2922.8	2958.4	3013.7	3041.3	3045.3
40°	2788.5	2832.0	2875.4	2907.0	2938.6
42.5°	2685.8	2709.5	2760.9	2800.4	2796.4
45°	2535.7	2567.3	2642.4	2681.9	2693.7
47.5°	2401.5	2448.8	2504.1	2563.4	2575.2
50°	2251.4	2302.7	2381.7	2425.1	2448.8
52.5°	2125.0	2156.6	2235.6	2279.0	2314.6
55°	1963.0	2014.4	2089.4	2132.9	2176.3
57.5°	1805.0	1868.2	1943.3	2014.4	2038.1
60°	1647.0	1710.2	1777.4	1856.4	1872.2
62.5°	1497.0	1564.1	1635.2	1714.2	1745.8
65°	1335.0	1386.4	1489.1	1548.3	1587.8
67.5°	1165.2	1228.4	1327.1	1394.3	1441.7
70°	1007.2	1078.3	1173.1	1256.0	1283.7
72.5°	833.4	920.3	1011.1	1098.0	1137.5
75°	675.4	746.5	861.0	955.8	979.5
77.5°	525.3	592.5	714.9	809.7	845.2
80°	367.3	450.3	580.6	675.4	718.9
82.5°	233.0	319.9	454.2	556.9	604.3
85°	118.5	213.3	351.5	454.2	497.7
87.5°	39.5	134.3	268.6	375.2	418.7
90°	7.9	90.8	217.2	312.0	351.5
92.5°	0.0	67.1	181.7	268.6	304.1
95°	0.0	59.2	158.0	237.0	272.5
97.5°	0.0	55.3	146.1	217.2	244.9
100°	0.0	51.3	134.3	201.4	229.1
102.5°	0.0	47.4	126.4	189.6	217.2
105°	0.0	43.4	118.5	181.7	205.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.5	102.7	150.1	173.8
115°	0.0	35.5	94.8	146.1	165.9
117.5°	0.0	35.5	90.8	134.3	154.0
120°	0.0	31.6	82.9	126.4	146.1
122.5°	0.0	31.6	79.0	122.4	138.2
125°	0.0	31.6	75.0	110.6	130.3
127.5°	0.0	27.6	71.1	106.6	118.5
130°	0.0	27.6	67.1	98.7	110.6
132.5°	0.0	23.7	63.2	90.8	102.7
135°	0.0	23.7	59.2	82.9	98.7
137.5°	0.0	23.7	55.3	79.0	86.9
140°	0.0	19.7	51.3	71.1	82.9
142.5°	3.9	19.7	43.4	67.1	75.0
145°	3.9	19.7	43.4	59.2	67.1
147.5°	3.9	15.8	39.5	55.3	63.2
150°	3.9	15.8	35.5	47.4	55.3
152.5°	3.9	11.8	31.6	43.4	47.4
155°	3.9	11.8	27.6	39.5	43.4
157.5°	3.9	11.8	23.7	31.6	35.5
160°	3.9	7.9	19.7	27.6	31.6
162.5°	3.9	7.9	15.8	23.7	27.6
165°	3.9	7.9	11.8	19.7	19.7
167.5°	3.9	7.9	11.8	15.8	15.8
170°	3.9	3.9	7.9	11.8	11.8
172.5°	3.9	3.9	7.9	7.9	7.9
175°	3.9	3.9	3.9	3.9	7.9
177.5°	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.4	114.5	169.8	193.5
110°	0.0	39.5	106.6	161.9	185.6



(END OF REPORT)