

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: P709882

Luminaire Tested: **8AWWS-L3C3-HO-UNV-5000K-HI**

Issue Date: 9/26/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P709882  
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-5000K-HI  
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

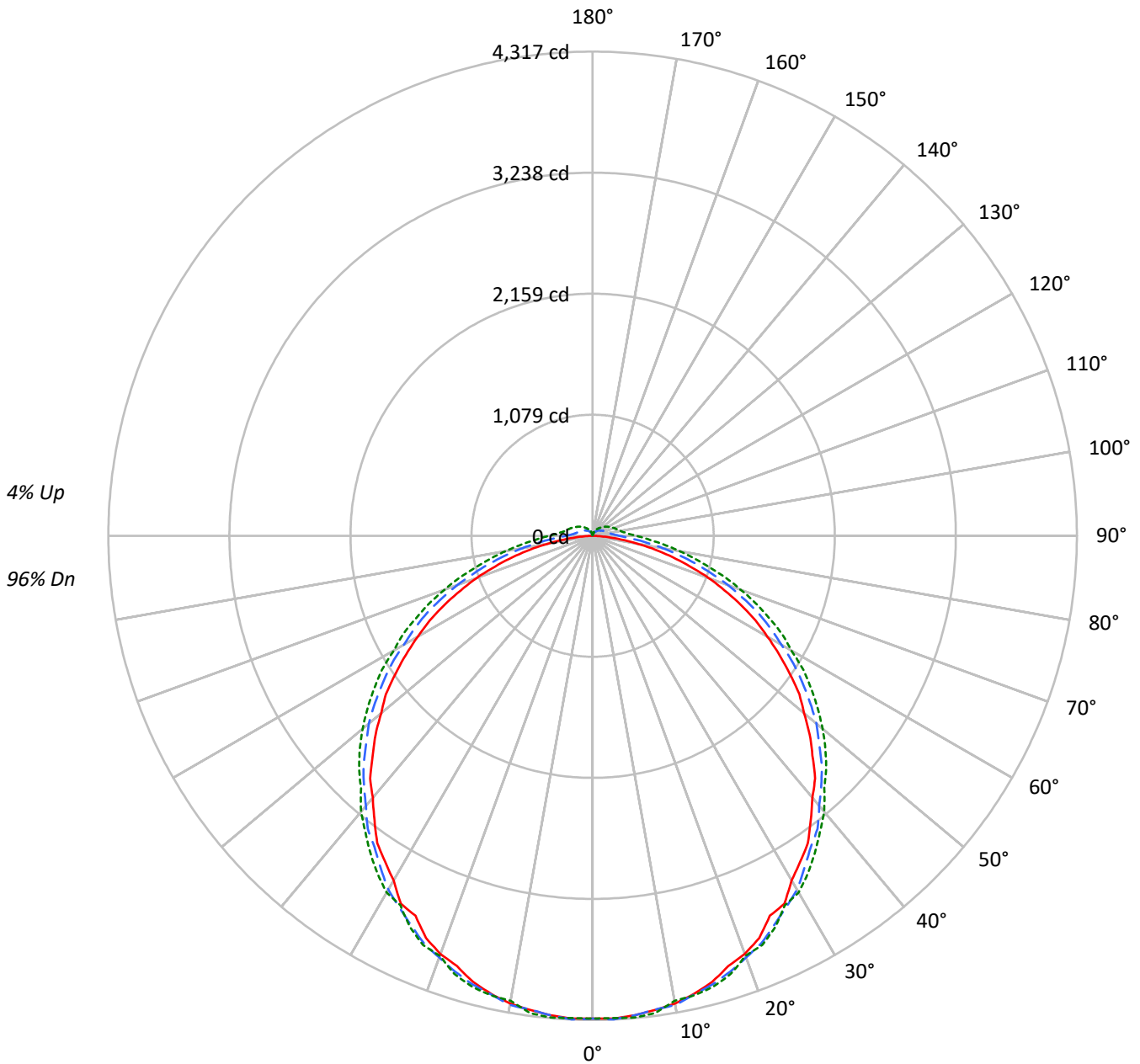
Lumens per Lamp: N/A  
Luminaire Lumens: 13275.0 lumens  
Efficiency: N/A  
Efficacy: 156.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	7522	7522	7522
5°	7513	7424	7433
10°	7486	7331	7210
15°	7406	7181	7138
20°	7318	7031	6897
25°	7133	6869	6779
30°	7068	6728	6630
35°	7026	6498	6444
40°	6822	6317	6253
45°	6697	6148	6040
50°	6513	5938	5850
55°	6331	5657	5608
60°	6052	5310	5280
65°	5752	5003	4987
70°	5292	4542	4588
75°	4592	3970	4098
80°	3576	3338	3658
85°	2058	2712	3265



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.5	3.1
10°-20°	1167.5	8.8
20°-30°	1761.6	13.3
30°-40°	2126.1	16.0
40°-50°	2215.6	16.7
50°-60°	2030.8	15.3
60°-70°	1592.6	12.0
70°-80°	984.5	7.4
80°-90°	417.5	3.1
90°-100°	182.8	1.4
100°-110°	129.8	1.0
110°-120°	97.4	0.7
120°-130°	69.4	0.5
130°-140°	45.8	0.3
140°-150°	27.1	0.2
150°-160°	12.9	0.1
160°-170°	4.3	0.0
170°-180°	0.6	0.0
0°-30°	3337.7	25.1
0°-40°	5463.8	41.2
0°-60°	9710.3	73.1
0°-90°	12704.9	95.7
90°-120°	410.0	3.1
90°-150°	552.3	4.2
90°-180°	570.0	4.3
0°-180°	13275.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4304	4304	4304	4304	4304	
5°	4291	4300	4291	4291	4313	408
15°	4118	4127	4140	4153	4162	1160
25°	3738	3803	3829	3833	3851	1739
35°	3346	3358	3389	3445	3454	2080
45°	2771	2806	2888	2931	2944	2140
55°	2146	2202	2284	2331	2379	1917
65°	1459	1515	1628	1692	1735	1440
75°	738	816	941	1045	1071	784
85°	130	233	384	496	544	165
90°	9	99	237	341	384	8
95°	0	65	173	259	298	0
105°	0	48	130	199	224	0
115°	0	39	104	160	181	0
125°	0	34	82	121	142	0
135°	0	26	65	91	108	0
145°	4	22	48	65	73	2
155°	4	13	30	43	48	2
165°	4	9	13	22	22	1
175°	4	4	4	4	9	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4303.9	4303.9	4303.9	4303.9	4303.9
2.5°	4308.3	4325.5	4316.9	4308.3	4303.9
5°	4291.0	4299.6	4291.0	4291.0	4312.6
7.5°	4265.1	4278.0	4260.8	4286.7	4291.0
10°	4234.9	4252.1	4247.8	4256.5	4209.0
12.5°	4183.1	4204.7	4187.4	4209.0	4196.0
15°	4118.3	4127.0	4139.9	4152.9	4161.5
17.5°	4023.3	4062.2	4075.1	4088.1	4096.7
20°	3967.2	3988.8	4001.8	3997.4	3984.5
22.5°	3880.9	3893.8	3932.7	3924.1	3950.0
25°	3738.4	3803.2	3829.1	3833.4	3850.7
27.5°	3699.6	3703.9	3734.1	3760.0	3712.5
30°	3548.5	3600.3	3643.5	3656.4	3673.7
32.5°	3444.9	3488.1	3514.0	3561.4	3570.1
35°	3345.6	3358.5	3388.8	3444.9	3453.5
37.5°	3194.5	3233.4	3293.8	3324.0	3328.3
40°	3047.7	3095.2	3142.7	3177.2	3211.8
42.5°	2935.5	2961.4	3017.5	3060.7	3056.4
45°	2771.4	2806.0	2888.0	2931.2	2944.1
47.5°	2624.7	2676.5	2736.9	2801.7	2814.6
50°	2460.6	2516.7	2603.1	2650.6	2676.5
52.5°	2322.5	2357.0	2443.4	2490.8	2529.7
55°	2145.5	2201.6	2283.6	2331.1	2378.6
57.5°	1972.8	2041.9	2123.9	2201.6	2227.5
60°	1800.1	1869.2	1942.6	2028.9	2046.2
62.5°	1636.1	1709.5	1787.2	1873.5	1908.1
65°	1459.1	1515.2	1627.5	1692.2	1735.4
67.5°	1273.5	1342.6	1450.5	1523.9	1575.7
70°	1100.8	1178.5	1282.1	1372.8	1403.0
72.5°	910.9	1005.8	1105.1	1200.1	1243.3
75°	738.2	815.9	941.1	1044.7	1070.6
77.5°	574.1	647.5	781.4	885.0	923.8
80°	401.5	492.1	634.6	738.2	785.7
82.5°	254.7	349.7	496.4	608.7	660.5
85°	129.5	233.1	384.2	496.4	543.9
87.5°	43.2	146.8	293.5	410.1	457.6
90°	8.6	99.3	237.4	341.0	384.2
92.5°	0.0	73.4	198.6	293.5	332.4
95°	0.0	64.8	172.7	259.0	297.9
97.5°	0.0	60.4	159.7	237.4	267.6
100°	0.0	56.1	146.8	220.2	250.4
102.5°	0.0	51.8	138.1	207.2	237.4
105°	0.0	47.5	129.5	198.6	224.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.2	112.2	164.0	189.9
115°	0.0	38.9	103.6	159.7	181.3
117.5°	0.0	38.9	99.3	146.8	168.4
120°	0.0	34.5	90.7	138.1	159.7
122.5°	0.0	34.5	86.3	133.8	151.1
125°	0.0	34.5	82.0	120.9	142.5
127.5°	0.0	30.2	77.7	116.6	129.5
130°	0.0	30.2	73.4	107.9	120.9
132.5°	0.0	25.9	69.1	99.3	112.2
135°	0.0	25.9	64.8	90.7	107.9
137.5°	0.0	25.9	60.4	86.3	95.0
140°	0.0	21.6	56.1	77.7	90.7
142.5°	4.3	21.6	47.5	73.4	82.0
145°	4.3	21.6	47.5	64.8	73.4
147.5°	4.3	17.3	43.2	60.4	69.1
150°	4.3	17.3	38.9	51.8	60.4
152.5°	4.3	13.0	34.5	47.5	51.8
155°	4.3	13.0	30.2	43.2	47.5
157.5°	4.3	13.0	25.9	34.5	38.9
160°	4.3	8.6	21.6	30.2	34.5
162.5°	4.3	8.6	17.3	25.9	30.2
165°	4.3	8.6	13.0	21.6	21.6
167.5°	4.3	8.6	13.0	17.3	17.3
170°	4.3	4.3	8.6	13.0	13.0
172.5°	4.3	4.3	8.6	8.6	8.6
175°	4.3	4.3	4.3	4.3	8.6
177.5°	4.3	4.3	4.3	4.3	4.3
180°	4.3	4.3	4.3	4.3	4.3



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	47.5	125.2	185.6	211.5
110°	0.0	43.2	116.6	177.0	202.9



(END OF REPORT)