

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: P709897

Luminaire Tested: **8AWWS-L3C3-UNV-4000K-HI**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709897  
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-4000K-HI  
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,  
4000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

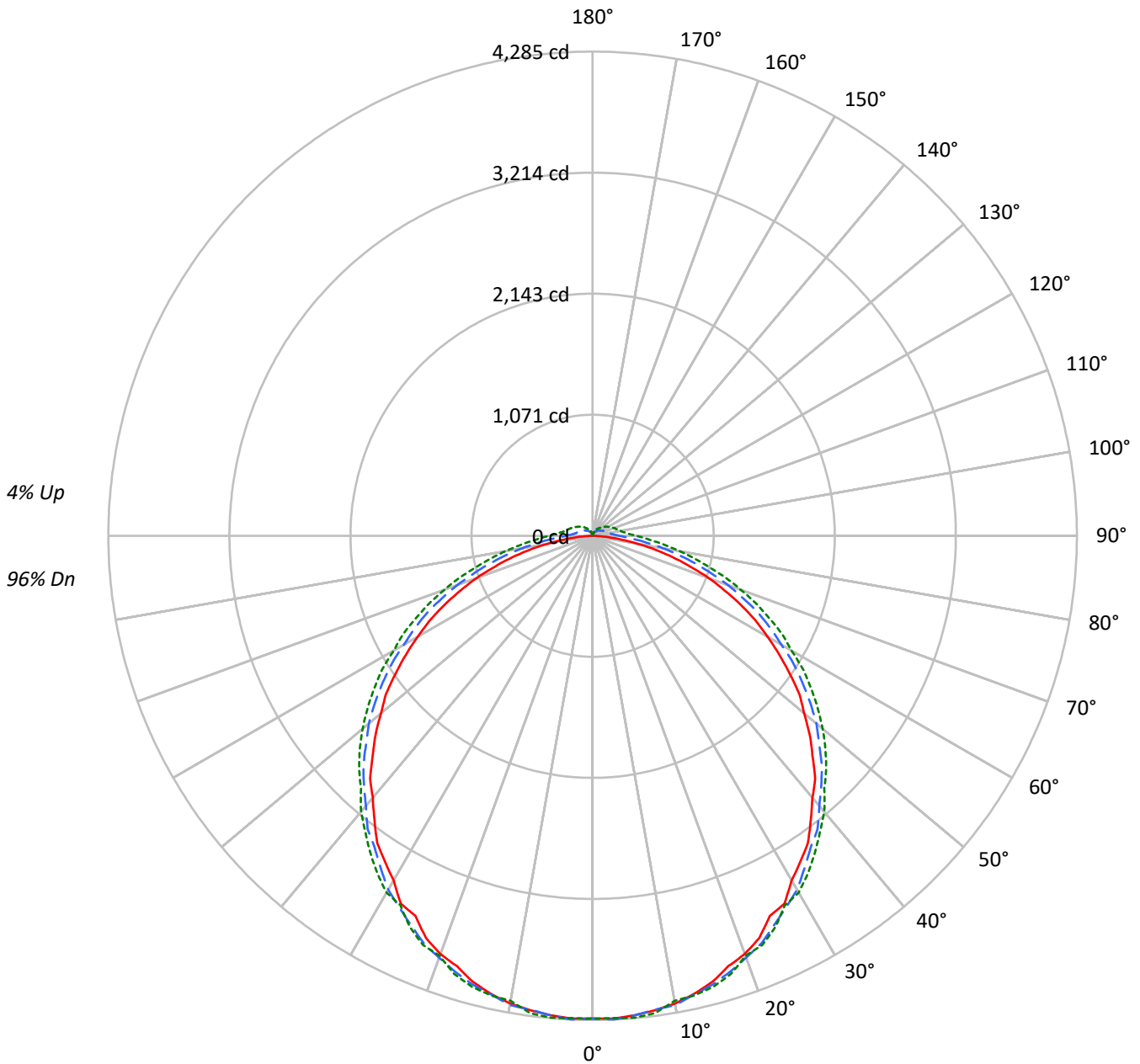
Lumens per Lamp: N/A  
Luminaire Lumens: 13178.0 lumens  
Efficiency: N/A  
Efficacy: 155.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')  
CIE Type: Direct

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									
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°	7467	7467	7467
5°	7458	7369	7379
10°	7431	7277	7157
15°	7352	7129	7086
20°	7264	6980	6846
25°	7081	6818	6729
30°	7016	6678	6582
35°	6974	6450	6397
40°	6773	6271	6207
45°	6648	6103	5996
50°	6465	5895	5807
55°	6284	5616	5567
60°	6008	5271	5241
65°	5709	4966	4950
70°	5254	4509	4554
75°	4559	3940	4068
80°	3550	3314	3631
85°	2044	2693	3241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.5	3.1
10°-20°	1159.0	8.8
20°-30°	1748.7	13.3
30°-40°	2110.6	16.0
40°-50°	2199.4	16.7
50°-60°	2016.0	15.3
60°-70°	1581.0	12.0
70°-80°	977.3	7.4
80°-90°	414.4	3.1
90°-100°	181.5	1.4
100°-110°	128.8	1.0
110°-120°	96.7	0.7
120°-130°	68.9	0.5
130°-140°	45.4	0.3
140°-150°	26.9	0.2
150°-160°	12.8	0.1
160°-170°	4.2	0.0
170°-180°	0.6	0.0
0°-30°	3313.3	25.1
0°-40°	5423.9	41.2
0°-60°	9639.3	73.1
0°-90°	12612.0	95.7
90°-120°	407.0	3.1
90°-150°	548.3	4.2
90°-180°	566.0	4.3
0°-180°	13178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4272	4272	4272	4272	4272	
5°	4260	4268	4260	4260	4281	405
15°	4088	4097	4110	4122	4131	1151
25°	3711	3775	3801	3805	3822	1727
35°	3321	3334	3364	3420	3428	2065
45°	2751	2786	2867	2910	2923	2124
55°	2130	2186	2267	2314	2361	1903
65°	1448	1504	1616	1680	1723	1429
75°	733	810	934	1037	1063	778
85°	129	231	381	493	540	164
90°	9	99	236	338	381	8
95°	0	64	171	257	296	0
105°	0	47	129	197	223	0
115°	0	39	103	159	180	0
125°	0	34	81	120	141	0
135°	0	26	64	90	107	0
145°	4	21	47	64	73	2
155°	4	13	30	43	47	2
165°	4	9	13	21	21	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°	4272.5	4272.5	4272.5	4272.5	4272.5
2.5°	4276.8	4293.9	4285.4	4276.8	4272.5
5°	4259.6	4268.2	4259.6	4259.6	4281.1
7.5°	4233.9	4246.8	4229.6	4255.4	4259.6
10°	4203.9	4221.1	4216.8	4225.4	4178.2
12.5°	4152.5	4173.9	4156.8	4178.2	4165.4
15°	4088.2	4096.8	4109.7	4122.5	4131.1
17.5°	3993.9	4032.5	4045.4	4058.2	4066.8
20°	3938.2	3959.7	3972.5	3968.2	3955.4
22.5°	3852.5	3865.4	3904.0	3895.4	3921.1
25°	3711.1	3775.4	3801.1	3805.4	3822.5
27.5°	3672.5	3676.8	3706.8	3732.5	3685.4
30°	3522.6	3574.0	3616.8	3629.7	3646.8
32.5°	3419.7	3462.6	3488.3	3535.4	3544.0
35°	3321.1	3334.0	3364.0	3419.7	3428.3
37.5°	3171.2	3209.7	3269.7	3299.7	3304.0
40°	3025.5	3072.6	3119.7	3154.0	3188.3
42.5°	2914.0	2939.8	2995.5	3038.3	3034.0
45°	2751.2	2785.5	2866.9	2909.8	2922.6
47.5°	2605.5	2656.9	2716.9	2781.2	2794.0
50°	2442.7	2498.4	2584.1	2631.2	2656.9
52.5°	2305.5	2339.8	2425.5	2472.6	2511.2
55°	2129.8	2185.5	2267.0	2314.1	2361.2
57.5°	1958.4	2027.0	2108.4	2185.5	2211.2
60°	1787.0	1855.6	1928.4	2014.1	2031.3
62.5°	1624.1	1697.0	1774.1	1859.8	1894.1
65°	1448.4	1504.2	1615.6	1679.9	1722.7
67.5°	1264.2	1332.7	1439.9	1512.7	1564.2
70°	1092.8	1169.9	1272.7	1362.7	1392.7
72.5°	904.2	998.5	1097.0	1191.3	1234.2
75°	732.8	809.9	934.2	1037.1	1062.8
77.5°	570.0	642.8	775.6	878.5	917.1
80°	398.5	488.5	629.9	732.8	779.9
82.5°	252.8	347.1	492.8	604.2	655.7
85°	128.6	231.4	381.4	492.8	540.0
87.5°	42.9	145.7	291.4	407.1	454.2
90°	8.6	98.6	235.7	338.5	381.4
92.5°	0.0	72.9	197.1	291.4	330.0
95°	0.0	64.3	171.4	257.1	295.7
97.5°	0.0	60.0	158.6	235.7	265.7
100°	0.0	55.7	145.7	218.6	248.6
102.5°	0.0	51.4	137.1	205.7	235.7
105°	0.0	47.1	128.6	197.1	222.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.9	111.4	162.8	188.6
115°	0.0	38.6	102.8	158.6	180.0
117.5°	0.0	38.6	98.6	145.7	167.1
120°	0.0	34.3	90.0	137.1	158.6
122.5°	0.0	34.3	85.7	132.8	150.0
125°	0.0	34.3	81.4	120.0	141.4
127.5°	0.0	30.0	77.1	115.7	128.6
130°	0.0	30.0	72.9	107.1	120.0
132.5°	0.0	25.7	68.6	98.6	111.4
135°	0.0	25.7	64.3	90.0	107.1
137.5°	0.0	25.7	60.0	85.7	94.3
140°	0.0	21.4	55.7	77.1	90.0
142.5°	4.3	21.4	47.1	72.9	81.4
145°	4.3	21.4	47.1	64.3	72.9
147.5°	4.3	17.1	42.9	60.0	68.6
150°	4.3	17.1	38.6	51.4	60.0
152.5°	4.3	12.9	34.3	47.1	51.4
155°	4.3	12.9	30.0	42.9	47.1
157.5°	4.3	12.9	25.7	34.3	38.6
160°	4.3	8.6	21.4	30.0	34.3
162.5°	4.3	8.6	17.1	25.7	30.0
165°	4.3	8.6	12.9	21.4	21.4
167.5°	4.3	8.6	12.9	17.1	17.1
170°	4.3	4.3	8.6	12.9	12.9
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	47.1	124.3	184.3	210.0
110°	0.0	42.9	115.7	175.7	201.4



(END OF REPORT)