

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: P709771

Luminaire Tested: **8AWS-L3C3-HO-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWS-L3C3-HO-UNV-4000K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

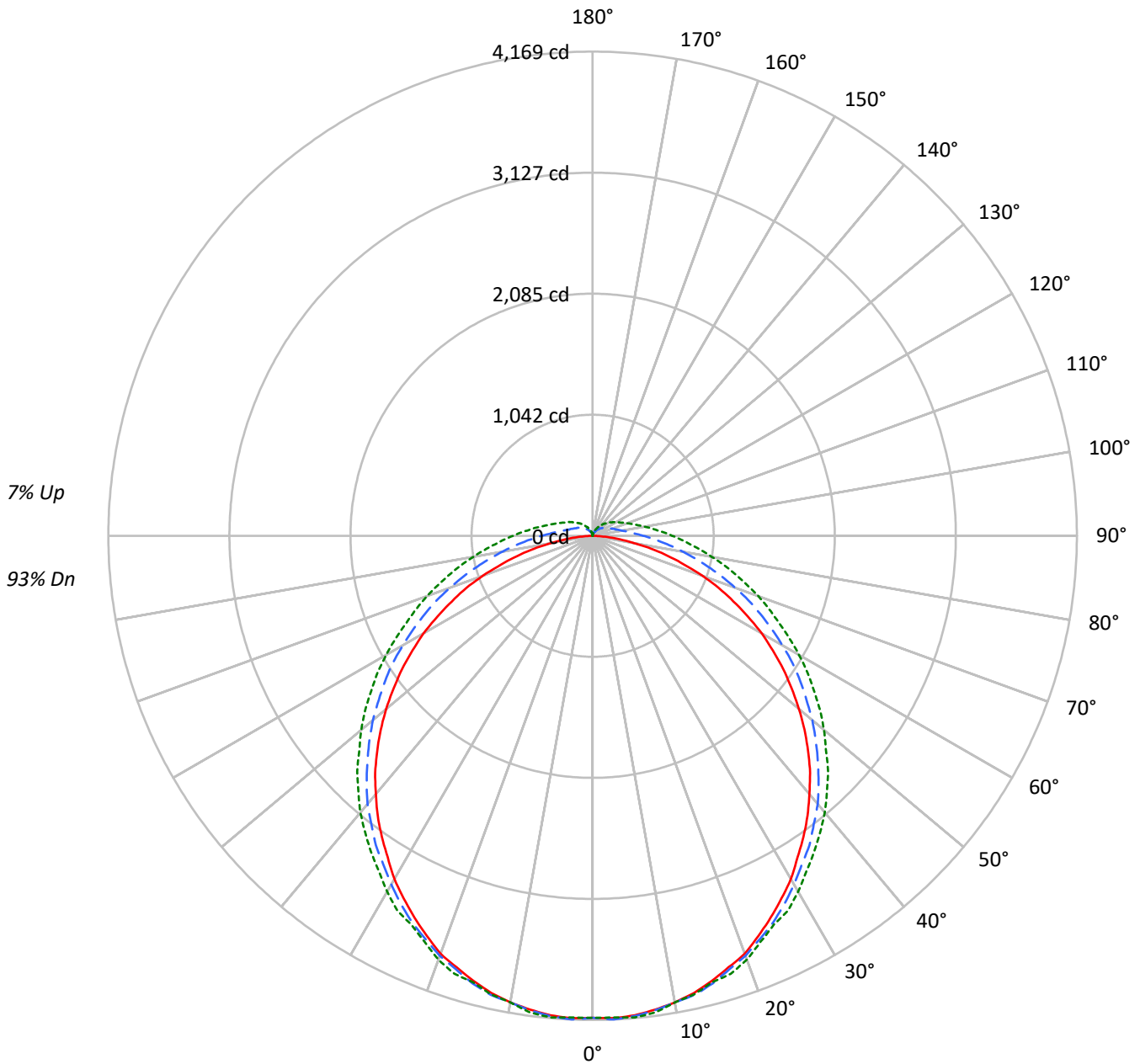
Lumens per Lamp: N/A
Luminaire Lumens: 13446.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 83
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13091	13091	13091
5°	13104	12920	12885
10°	13027	12628	12490
15°	12895	12379	12141
20°	12779	12054	11903
25°	12529	11719	11458
30°	12316	11343	11199
35°	12045	11014	10822
40°	11788	10661	10505
45°	11511	10225	10140
50°	11164	9817	9727
55°	10771	9377	9315
60°	10326	8878	8914
65°	9650	8375	8452
70°	8873	7808	8146
75°	7722	7242	7821
80°	6035	6805	7623
85°	3814	6577	7674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	2.9
10°-20°	1123.7	8.4
20°-30°	1690.8	12.6
30°-40°	2030.5	15.1
40°-50°	2114.4	15.7
50°-60°	1942.8	14.4
60°-70°	1560.3	11.6
70°-80°	1063.8	7.9
80°-90°	604.6	4.5
90°-100°	338.6	2.5
100°-110°	214.3	1.6
110°-120°	146.3	1.1
120°-130°	100.5	0.7
130°-140°	63.9	0.5
140°-150°	35.6	0.3
150°-160°	16.2	0.1
160°-170°	5.1	0.0
170°-180°	0.7	0.0
0°-30°	3208.5	23.9
0°-40°	5239.0	39.0
0°-60°	9296.2	69.1
0°-90°	12524.9	93.1
90°-120°	699.2	5.2
90°-150°	899.1	6.7
90°-180°	921.0	6.8
0°-180°	13446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4151	4151	4151	4151	4151	
5°	4145	4151	4151	4157	4163	393
15°	3967	3961	3991	4002	3979	1119
25°	3628	3628	3675	3711	3693	1672
35°	3164	3182	3253	3301	3324	1980
45°	2623	2652	2742	2825	2867	2023
55°	2004	2064	2183	2284	2325	1789
65°	1338	1439	1594	1713	1766	1327
75°	672	815	1029	1201	1267	712
85°	125	321	589	779	844	154
90°	6	190	434	613	684	7
95°	0	119	327	494	553	0
105°	0	77	208	327	375	0
115°	0	60	155	238	268	0
125°	6	42	119	178	202	3
135°	6	36	89	131	149	5
145°	6	24	60	89	95	4
155°	6	18	36	54	60	3
165°	6	12	18	24	30	2
175°	6	6	6	6	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4151.2	4151.2	4151.2	4151.2	4151.2
2.5°	4157.2	4151.2	4169.0	4163.1	4151.2
5°	4145.3	4151.2	4151.2	4157.2	4163.1
7.5°	4115.5	4103.6	4121.5	4139.3	4139.3
10°	4079.8	4067.9	4079.8	4091.7	4079.8
12.5°	4032.3	4008.5	4050.1	4050.1	4044.2
15°	3966.8	3960.9	3990.6	4002.5	3978.7
17.5°	3895.5	3913.3	3913.3	3937.1	3954.9
20°	3830.1	3818.2	3847.9	3865.7	3883.6
22.5°	3728.9	3723.0	3758.7	3788.4	3782.5
25°	3627.8	3627.8	3675.4	3711.1	3693.3
27.5°	3520.8	3520.8	3574.3	3610.0	3639.7
30°	3413.7	3425.6	3467.3	3514.8	3538.6
32.5°	3282.9	3312.6	3354.3	3419.7	3425.6
35°	3164.0	3181.8	3253.2	3300.7	3324.5
37.5°	3039.1	3045.0	3128.3	3193.7	3217.5
40°	2902.3	2914.2	3015.3	3074.7	3110.4
42.5°	2771.4	2783.3	2878.5	2955.8	2985.5
45°	2622.8	2652.5	2741.7	2825.0	2866.6
47.5°	2474.1	2515.7	2604.9	2700.1	2723.9
50°	2319.4	2361.1	2468.1	2545.4	2599.0
52.5°	2158.9	2212.4	2319.4	2420.5	2468.1
55°	2004.2	2063.7	2182.7	2283.8	2325.4
57.5°	1837.7	1909.1	2039.9	2147.0	2194.5
60°	1683.1	1742.6	1885.3	1998.3	2051.8
62.5°	1504.7	1582.0	1736.6	1861.5	1909.1
65°	1338.1	1439.2	1593.9	1712.8	1766.3
67.5°	1177.6	1278.7	1451.1	1576.0	1641.5
70°	1005.1	1118.1	1302.5	1445.2	1516.6
72.5°	826.7	957.5	1165.7	1326.2	1385.7
75°	672.0	814.8	1028.9	1201.4	1266.8
77.5°	517.4	666.1	904.0	1082.4	1153.8
80°	362.8	529.3	791.0	975.4	1040.8
82.5°	237.9	422.3	683.9	868.3	939.7
85°	124.9	321.2	588.8	779.1	844.5
87.5°	41.6	243.8	505.5	695.8	761.3
90°	5.9	190.3	434.2	612.6	683.9
92.5°	0.0	148.7	374.7	553.1	618.5
95°	0.0	118.9	327.1	493.6	553.1
97.5°	0.0	101.1	291.4	440.1	505.5
100°	0.0	89.2	255.7	398.5	452.0
102.5°	0.0	83.3	231.9	356.8	410.4
105°	0.0	77.3	208.2	327.1	374.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.5	166.5	255.7	291.4
115°	0.0	59.5	154.6	237.9	267.6
117.5°	0.0	53.5	148.7	220.0	249.8
120°	0.0	47.6	136.8	208.2	237.9
122.5°	0.0	47.6	124.9	196.3	220.0
125°	5.9	41.6	118.9	178.4	202.2
127.5°	5.9	41.6	113.0	166.5	190.3
130°	5.9	35.7	101.1	154.6	172.5
132.5°	5.9	35.7	95.2	142.7	160.6
135°	5.9	35.7	89.2	130.8	148.7
137.5°	5.9	29.7	77.3	118.9	136.8
140°	5.9	29.7	71.4	107.1	124.9
142.5°	5.9	29.7	65.4	95.2	113.0
145°	5.9	23.8	59.5	89.2	95.2
147.5°	5.9	23.8	53.5	77.3	89.2
150°	5.9	17.8	47.6	65.4	77.3
152.5°	5.9	17.8	41.6	59.5	65.4
155°	5.9	17.8	35.7	53.5	59.5
157.5°	5.9	17.8	29.7	47.6	47.6
160°	5.9	11.9	23.8	35.7	41.6
162.5°	5.9	11.9	23.8	29.7	35.7
165°	5.9	11.9	17.8	23.8	29.7
167.5°	5.9	5.9	11.9	17.8	23.8
170°	5.9	5.9	11.9	11.9	17.8
172.5°	5.9	5.9	5.9	5.9	11.9
175°	5.9	5.9	5.9	5.9	5.9
177.5°	5.9	5.9	5.9	0.0	0.0
180°	5.9	5.9	5.9	5.9	5.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	71.4	196.3	297.4	344.9
110°	0.0	65.4	178.4	273.6	315.2



(END OF REPORT)