

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: P709769

Luminaire Tested: **8AWS-L3C3-HO-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709769
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-3500K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

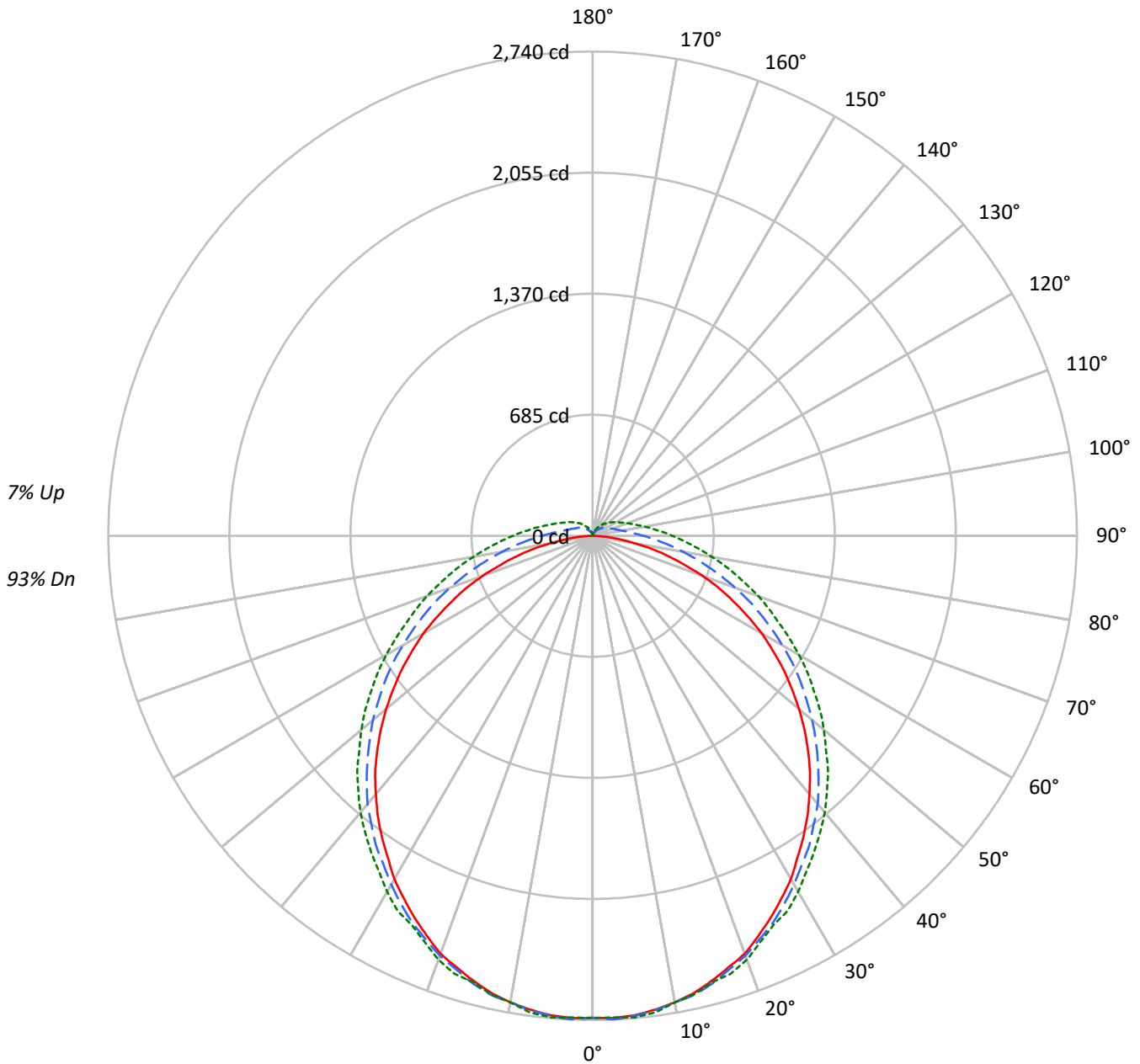
Lumens per Lamp: N/A
Luminaire Lumens: 8836.0 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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°	8603	8603	8603
5°	8611	8490	8467
10°	8561	8299	8208
15°	8474	8135	7979
20°	8397	7921	7822
25°	8233	7701	7529
30°	8093	7454	7359
35°	7915	7237	7112
40°	7746	7006	6903
45°	7564	6719	6663
50°	7337	6451	6392
55°	7078	6162	6121
60°	6786	5834	5857
65°	6342	5504	5554
70°	5831	5130	5353
75°	5074	4759	5140
80°	3966	4472	5009
85°	2507	4322	5043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	2.9
10°-20°	738.5	8.4
20°-30°	1111.1	12.6
30°-40°	1334.3	15.1
40°-50°	1389.5	15.7
50°-60°	1276.7	14.4
60°-70°	1025.3	11.6
70°-80°	699.1	7.9
80°-90°	397.3	4.5
90°-100°	222.5	2.5
100°-110°	140.8	1.6
110°-120°	96.1	1.1
120°-130°	66.0	0.7
130°-140°	42.0	0.5
140°-150°	23.4	0.3
150°-160°	10.6	0.1
160°-170°	3.4	0.0
170°-180°	0.4	0.0
0°-30°	2108.4	23.9
0°-40°	3442.8	39.0
0°-60°	6109.0	69.1
0°-90°	8230.7	93.1
90°-120°	459.5	5.2
90°-150°	590.9	6.7
90°-180°	605.0	6.8
0°-180°	8836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2728	2728	2728	2728	2728	
5°	2724	2728	2728	2732	2736	259
15°	2607	2603	2622	2630	2615	736
25°	2384	2384	2415	2439	2427	1099
35°	2079	2091	2138	2169	2185	1301
45°	1724	1743	1802	1856	1884	1329
55°	1317	1356	1434	1501	1528	1176
65°	879	946	1047	1126	1161	872
75°	442	535	676	790	832	468
85°	82	211	387	512	555	101
90°	4	125	285	402	449	5
95°	0	78	215	324	364	0
105°	0	51	137	215	246	0
115°	0	39	102	156	176	0
125°	4	27	78	117	133	2
135°	4	23	59	86	98	3
145°	4	16	39	59	62	2
155°	4	12	23	35	39	2
165°	4	8	12	16	20	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2728.0	2728.0	2728.0	2728.0	2728.0
2.5°	2731.9	2728.0	2739.7	2735.8	2728.0
5°	2724.0	2728.0	2728.0	2731.9	2735.8
7.5°	2704.5	2696.7	2708.4	2720.1	2720.1
10°	2681.1	2673.2	2681.1	2688.9	2681.1
12.5°	2649.8	2634.2	2661.5	2661.5	2657.6
15°	2606.8	2602.9	2622.4	2630.2	2614.6
17.5°	2559.9	2571.6	2571.6	2587.3	2599.0
20°	2516.9	2509.1	2528.6	2540.4	2552.1
22.5°	2450.5	2446.6	2470.0	2489.6	2485.6
25°	2384.0	2384.0	2415.3	2438.7	2427.0
27.5°	2313.7	2313.7	2348.9	2372.3	2391.8
30°	2243.3	2251.1	2278.5	2309.8	2325.4
32.5°	2157.3	2176.9	2204.2	2247.2	2251.1
35°	2079.2	2090.9	2137.8	2169.1	2184.7
37.5°	1997.1	2001.0	2055.7	2098.7	2114.4
40°	1907.2	1915.0	1981.5	2020.6	2044.0
42.5°	1821.2	1829.1	1891.6	1942.4	1961.9
45°	1723.5	1743.1	1801.7	1856.4	1883.8
47.5°	1625.8	1653.2	1711.8	1774.3	1790.0
50°	1524.2	1551.6	1621.9	1672.7	1707.9
52.5°	1418.7	1453.9	1524.2	1590.7	1621.9
55°	1317.1	1356.2	1434.3	1500.8	1528.1
57.5°	1207.6	1254.5	1340.5	1410.9	1442.1
60°	1106.0	1145.1	1238.9	1313.2	1348.3
62.5°	988.8	1039.6	1141.2	1223.3	1254.5
65°	879.4	945.8	1047.4	1125.6	1160.7
67.5°	773.8	840.3	953.6	1035.7	1078.7
70°	660.5	734.7	855.9	949.7	996.6
72.5°	543.2	629.2	766.0	871.5	910.6
75°	441.6	535.4	676.1	789.5	832.5
77.5°	340.0	437.7	594.1	711.3	758.2
80°	238.4	347.8	519.8	641.0	683.9
82.5°	156.3	277.5	449.4	570.6	617.5
85°	82.1	211.0	386.9	512.0	555.0
87.5°	27.4	160.2	332.2	457.3	500.3
90°	3.9	125.1	285.3	402.5	449.4
92.5°	0.0	97.7	246.2	363.5	406.5
95°	0.0	78.2	215.0	324.4	363.5
97.5°	0.0	66.4	191.5	289.2	332.2
100°	0.0	58.6	168.1	261.9	297.0
102.5°	0.0	54.7	152.4	234.5	269.7
105°	0.0	50.8	136.8	215.0	246.2



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CATALOG NUMBER: 8AWS-L3C3-HO-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.1	109.4	168.1	191.5
115°	0.0	39.1	101.6	156.3	175.9
117.5°	0.0	35.2	97.7	144.6	164.1
120°	0.0	31.3	89.9	136.8	156.3
122.5°	0.0	31.3	82.1	129.0	144.6
125°	3.9	27.4	78.2	117.2	132.9
127.5°	3.9	27.4	74.3	109.4	125.1
130°	3.9	23.4	66.4	101.6	113.3
132.5°	3.9	23.4	62.5	93.8	105.5
135°	3.9	23.4	58.6	86.0	97.7
137.5°	3.9	19.5	50.8	78.2	89.9
140°	3.9	19.5	46.9	70.3	82.1
142.5°	3.9	19.5	43.0	62.5	74.3
145°	3.9	15.6	39.1	58.6	62.5
147.5°	3.9	15.6	35.2	50.8	58.6
150°	3.9	11.7	31.3	43.0	50.8
152.5°	3.9	11.7	27.4	39.1	43.0
155°	3.9	11.7	23.4	35.2	39.1
157.5°	3.9	11.7	19.5	31.3	31.3
160°	3.9	7.8	15.6	23.4	27.4
162.5°	3.9	7.8	15.6	19.5	23.4
165°	3.9	7.8	11.7	15.6	19.5
167.5°	3.9	3.9	7.8	11.7	15.6
170°	3.9	3.9	7.8	7.8	11.7
172.5°	3.9	3.9	3.9	3.9	7.8
175°	3.9	3.9	3.9	3.9	3.9
177.5°	3.9	3.9	3.9	0.0	0.0
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	46.9	129.0	195.4	226.7
110°	0.0	43.0	117.2	179.8	207.1



(END OF REPORT)