

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: P709772

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709772
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-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

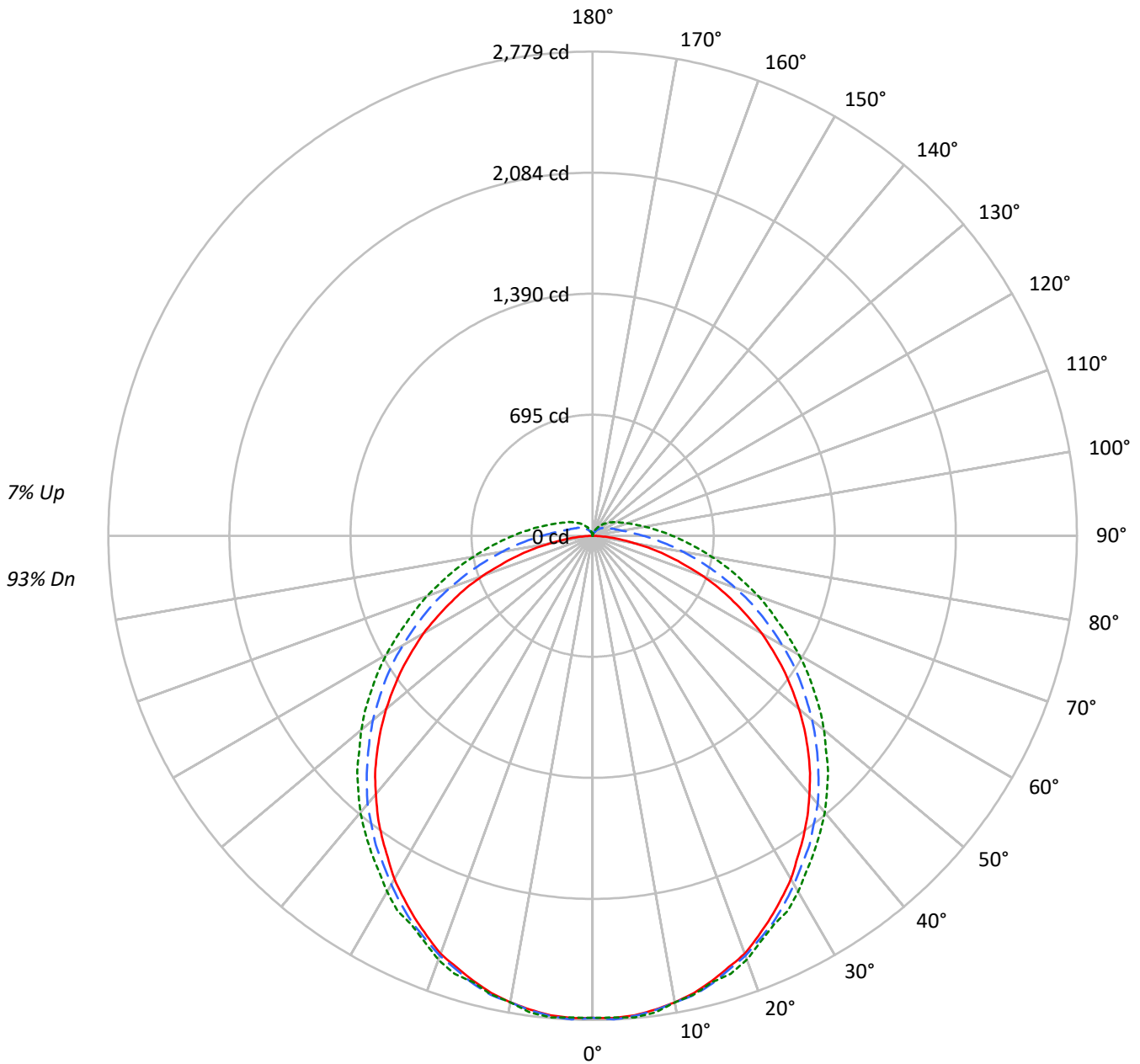
Lumens per Lamp: N/A
Luminaire Lumens: 8962.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 54
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°	8726	8726	8726
5°	8734	8611	8588
10°	8683	8417	8325
15°	8595	8251	8092
20°	8517	8034	7934
25°	8351	7811	7637
30°	8209	7560	7465
35°	8028	7341	7213
40°	7857	7105	7002
45°	7672	6815	6758
50°	7441	6543	6483
55°	7179	6250	6209
60°	6883	5918	5941
65°	6432	5582	5634
70°	5914	5204	5429
75°	5147	4827	5213
80°	4022	4536	5081
85°	2541	4383	5115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	2.9
10°-20°	749.0	8.4
20°-30°	1127.0	12.6
30°-40°	1353.4	15.1
40°-50°	1409.3	15.7
50°-60°	1294.9	14.4
60°-70°	1040.0	11.6
70°-80°	709.0	7.9
80°-90°	403.0	4.5
90°-100°	225.7	2.5
100°-110°	142.8	1.6
110°-120°	97.5	1.1
120°-130°	67.0	0.7
130°-140°	42.6	0.5
140°-150°	23.7	0.3
150°-160°	10.8	0.1
160°-170°	3.4	0.0
170°-180°	0.4	0.0
0°-30°	2138.5	23.9
0°-40°	3491.9	39.0
0°-60°	6196.1	69.1
0°-90°	8348.1	93.1
90°-120°	466.0	5.2
90°-150°	599.3	6.7
90°-180°	614.0	6.9
0°-180°	8962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2767	2767	2767	2767	2767	
5°	2763	2767	2767	2771	2775	262
15°	2644	2640	2660	2668	2652	746
25°	2418	2418	2450	2474	2462	1115
35°	2109	2121	2168	2200	2216	1319
45°	1748	1768	1827	1883	1911	1348
55°	1336	1376	1455	1522	1550	1193
65°	892	959	1062	1142	1177	884
75°	448	543	686	801	844	474
85°	83	214	392	519	563	102
90°	4	127	289	408	456	5
95°	0	79	218	329	369	0
105°	0	52	139	218	250	0
115°	0	40	103	159	178	0
125°	4	28	79	119	135	2
135°	4	24	60	87	99	3
145°	4	16	40	60	63	3
155°	4	12	24	36	40	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°	2766.9	2766.9	2766.9	2766.9	2766.9
2.5°	2770.8	2766.9	2778.7	2774.8	2766.9
5°	2762.9	2766.9	2766.9	2770.8	2774.8
7.5°	2743.1	2735.1	2747.0	2758.9	2758.9
10°	2719.3	2711.4	2719.3	2727.2	2719.3
12.5°	2687.6	2671.7	2699.5	2699.5	2695.5
15°	2644.0	2640.0	2659.8	2667.8	2651.9
17.5°	2596.4	2608.3	2608.3	2624.2	2636.0
20°	2552.8	2544.9	2564.7	2576.6	2588.5
22.5°	2485.4	2481.4	2505.2	2525.1	2521.1
25°	2418.0	2418.0	2449.7	2473.5	2461.6
27.5°	2346.7	2346.7	2382.3	2406.1	2426.0
30°	2275.3	2283.2	2311.0	2342.7	2358.6
32.5°	2188.1	2207.9	2235.7	2279.3	2283.2
35°	2108.8	2120.7	2168.3	2200.0	2215.9
37.5°	2025.6	2029.6	2085.0	2128.7	2144.5
40°	1934.4	1942.3	2009.7	2049.4	2073.2
42.5°	1847.2	1855.1	1918.6	1970.1	1989.9
45°	1748.1	1767.9	1827.4	1882.9	1910.6
47.5°	1649.0	1676.8	1736.2	1799.6	1815.5
50°	1545.9	1573.7	1645.0	1696.6	1732.3
52.5°	1438.9	1474.6	1545.9	1613.3	1645.0
55°	1335.9	1375.5	1454.8	1522.2	1549.9
57.5°	1224.9	1272.4	1359.6	1431.0	1462.7
60°	1121.8	1161.4	1256.6	1331.9	1367.6
62.5°	1002.9	1054.4	1157.5	1240.7	1272.4
65°	891.9	959.3	1062.3	1141.6	1177.3
67.5°	784.9	852.3	967.2	1050.5	1094.1
70°	669.9	745.2	868.1	963.2	1010.8
72.5°	551.0	638.2	776.9	884.0	923.6
75°	447.9	543.1	685.8	800.7	844.3
77.5°	344.9	444.0	602.5	721.4	769.0
80°	241.8	352.8	527.2	650.1	693.7
82.5°	158.6	281.4	455.9	578.7	626.3
85°	83.2	214.1	392.4	519.3	562.9
87.5°	27.7	162.5	336.9	463.8	507.4
90°	4.0	126.8	289.4	408.3	455.9
92.5°	0.0	99.1	249.7	368.6	412.3
95°	0.0	79.3	218.0	329.0	368.6
97.5°	0.0	67.4	194.2	293.3	336.9
100°	0.0	59.5	170.5	265.6	301.3
102.5°	0.0	55.5	154.6	237.8	273.5
105°	0.0	51.5	138.7	218.0	249.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.6	111.0	170.5	194.2
115°	0.0	39.6	103.1	158.6	178.4
117.5°	0.0	35.7	99.1	146.7	166.5
120°	0.0	31.7	91.2	138.7	158.6
122.5°	0.0	31.7	83.2	130.8	146.7
125°	4.0	27.7	79.3	118.9	134.8
127.5°	4.0	27.7	75.3	111.0	126.8
130°	4.0	23.8	67.4	103.1	115.0
132.5°	4.0	23.8	63.4	95.1	107.0
135°	4.0	23.8	59.5	87.2	99.1
137.5°	4.0	19.8	51.5	79.3	91.2
140°	4.0	19.8	47.6	71.4	83.2
142.5°	4.0	19.8	43.6	63.4	75.3
145°	4.0	15.9	39.6	59.5	63.4
147.5°	4.0	15.9	35.7	51.5	59.5
150°	4.0	11.9	31.7	43.6	51.5
152.5°	4.0	11.9	27.7	39.6	43.6
155°	4.0	11.9	23.8	35.7	39.6
157.5°	4.0	11.9	19.8	31.7	31.7
160°	4.0	7.9	15.9	23.8	27.7
162.5°	4.0	7.9	15.9	19.8	23.8
165°	4.0	7.9	11.9	15.9	19.8
167.5°	4.0	4.0	7.9	11.9	15.9
170°	4.0	4.0	7.9	7.9	11.9
172.5°	4.0	4.0	4.0	4.0	7.9
175°	4.0	4.0	4.0	4.0	4.0
177.5°	4.0	4.0	4.0	0.0	0.0
180°	4.0	4.0	4.0	4.0	4.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	47.6	130.8	198.2	229.9
110°	0.0	43.6	118.9	182.3	210.1



(END OF REPORT)