

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: P709786

Luminaire Tested: **8AWS-L3C3-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709786
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-UNV-3500K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

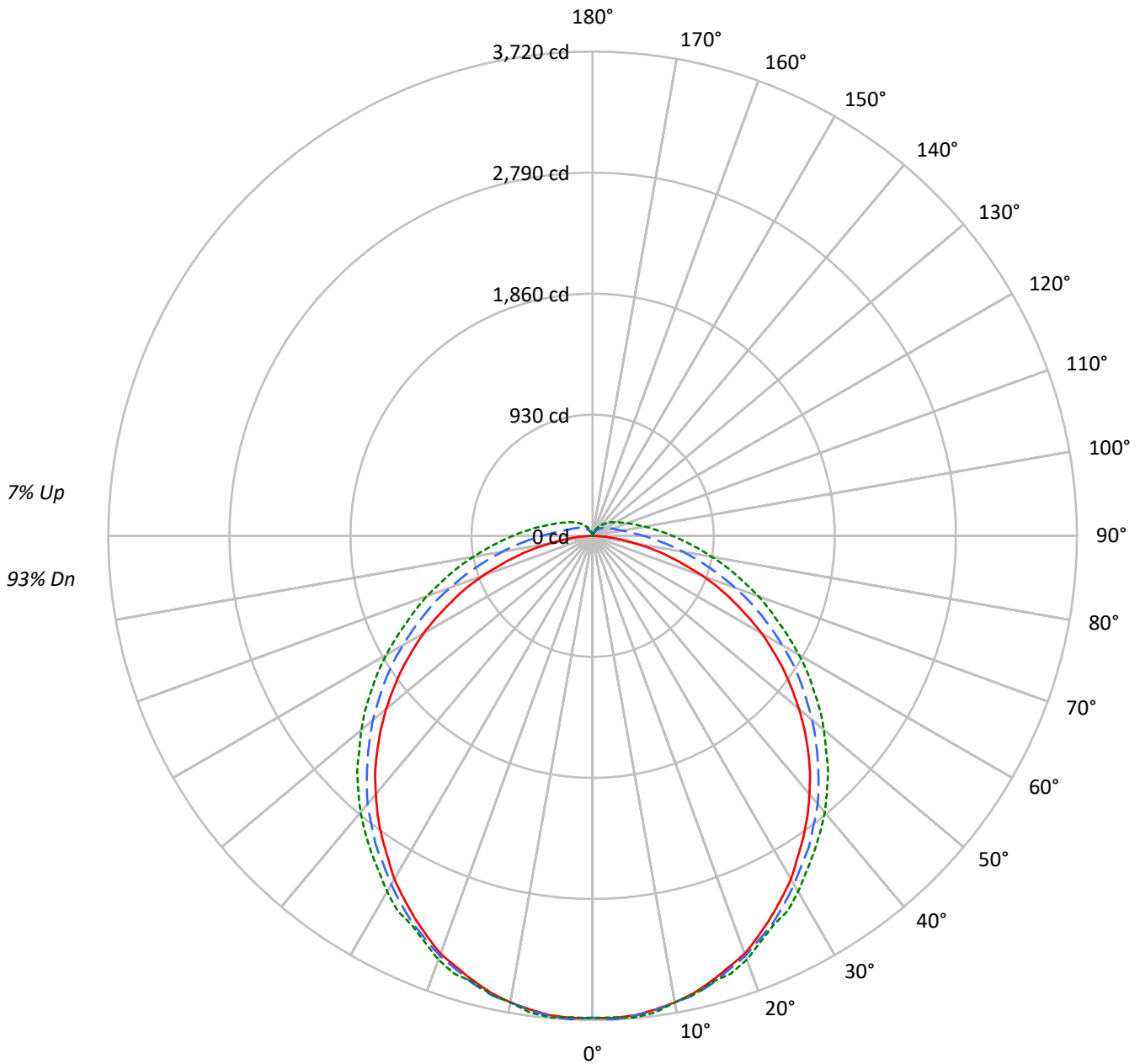
Lumens per Lamp: N/A
Luminaire Lumens: 11996.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
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				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	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11679	11679	11679
5°	11691	11526	11496
10°	11623	11267	11143
15°	11505	11044	10832
20°	11400	10754	10620
25°	11178	10455	10222
30°	10988	10120	9991
35°	10746	9826	9655
40°	10517	9511	9372
45°	10270	9122	9046
50°	9960	8759	8678
55°	9609	8366	8310
60°	9213	7921	7952
65°	8610	7472	7541
70°	7916	6965	7267
75°	6890	6461	6978
80°	5385	6071	6801
85°	3402	5868	6846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.4	2.9
10°-20°	1002.6	8.4
20°-30°	1508.5	12.6
30°-40°	1811.6	15.1
40°-50°	1886.4	15.7
50°-60°	1733.3	14.4
60°-70°	1392.0	11.6
70°-80°	949.1	7.9
80°-90°	539.4	4.5
90°-100°	302.1	2.5
100°-110°	191.2	1.6
110°-120°	130.5	1.1
120°-130°	89.6	0.7
130°-140°	57.0	0.5
140°-150°	31.7	0.3
150°-160°	14.4	0.1
160°-170°	4.6	0.0
170°-180°	0.6	0.0
0°-30°	2862.5	23.9
0°-40°	4674.0	39.0
0°-60°	8293.7	69.1
0°-90°	11174.2	93.1
90°-120°	623.8	5.2
90°-150°	802.2	6.7
90°-180°	822.0	6.9
0°-180°	11996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3704	3704	3704	3704	3704	
5°	3698	3704	3704	3709	3714	351
15°	3539	3534	3560	3571	3550	999
25°	3237	3237	3279	3311	3295	1492
35°	2823	2839	2902	2945	2966	1766
45°	2340	2366	2446	2520	2558	1805
55°	1788	1841	1947	2038	2075	1596
65°	1194	1284	1422	1528	1576	1184
75°	600	727	918	1072	1130	635
85°	111	286	525	695	753	137
90°	5	170	387	546	610	7
95°	0	106	292	440	494	0
105°	0	69	186	292	334	0
115°	0	53	138	212	239	0
125°	5	37	106	159	180	3
135°	5	32	80	117	133	4
145°	5	21	53	80	85	3
155°	5	16	32	48	53	2
165°	5	11	16	21	26	2
175°	5	5	5	5	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3703.5	3703.5	3703.5	3703.5	3703.5
2.5°	3708.9	3703.5	3719.5	3714.2	3703.5
5°	3698.2	3703.5	3703.5	3708.9	3714.2
7.5°	3671.7	3661.1	3677.0	3692.9	3692.9
10°	3639.9	3629.3	3639.9	3650.5	3639.9
12.5°	3597.4	3576.2	3613.3	3613.3	3608.0
15°	3539.1	3533.8	3560.3	3570.9	3549.7
17.5°	3475.4	3491.3	3491.3	3512.5	3528.4
20°	3417.0	3406.4	3432.9	3448.9	3464.8
22.5°	3326.8	3321.5	3353.4	3379.9	3374.6
25°	3236.6	3236.6	3279.1	3310.9	3295.0
27.5°	3141.1	3141.1	3188.9	3220.7	3247.2
30°	3045.6	3056.2	3093.4	3135.8	3157.0
32.5°	2928.9	2955.4	2992.5	3050.9	3056.2
35°	2822.8	2838.7	2902.3	2944.8	2966.0
37.5°	2711.3	2716.6	2790.9	2849.3	2870.5
40°	2589.3	2599.9	2690.1	2743.2	2775.0
42.5°	2472.6	2483.2	2568.1	2637.1	2663.6
45°	2339.9	2366.4	2446.0	2520.3	2557.5
47.5°	2207.3	2244.4	2324.0	2408.9	2430.1
50°	2069.3	2106.5	2202.0	2270.9	2318.7
52.5°	1926.1	1973.8	2069.3	2159.5	2202.0
55°	1788.1	1841.2	1947.3	2037.5	2074.6
57.5°	1639.5	1703.2	1819.9	1915.4	1957.9
60°	1501.6	1554.6	1682.0	1782.8	1830.5
62.5°	1342.4	1411.4	1549.3	1660.8	1703.2
65°	1193.8	1284.0	1422.0	1528.1	1575.9
67.5°	1050.6	1140.8	1294.6	1406.1	1464.4
70°	896.7	997.5	1162.0	1289.3	1353.0
72.5°	737.5	854.3	1040.0	1183.2	1236.3
75°	599.6	726.9	917.9	1071.8	1130.2
77.5°	461.6	594.3	806.5	965.7	1029.4
80°	323.7	472.2	705.7	870.2	928.5
82.5°	212.2	376.7	610.2	774.7	838.3
85°	111.4	286.5	525.3	695.1	753.4
87.5°	37.1	217.5	451.0	620.8	679.2
90°	5.3	169.8	387.3	546.5	610.2
92.5°	0.0	132.6	334.3	493.5	551.8
95°	0.0	106.1	291.8	440.4	493.5
97.5°	0.0	90.2	260.0	392.6	451.0
100°	0.0	79.6	228.2	355.5	403.3
102.5°	0.0	74.3	206.9	318.4	366.1
105°	0.0	69.0	185.7	291.8	334.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.1	148.6	228.2	260.0
115°	0.0	53.1	138.0	212.2	238.8
117.5°	0.0	47.8	132.6	196.3	222.8
120°	0.0	42.4	122.0	185.7	212.2
122.5°	0.0	42.4	111.4	175.1	196.3
125°	5.3	37.1	106.1	159.2	180.4
127.5°	5.3	37.1	100.8	148.6	169.8
130°	5.3	31.8	90.2	138.0	153.9
132.5°	5.3	31.8	84.9	127.3	143.3
135°	5.3	31.8	79.6	116.7	132.6
137.5°	5.3	26.5	69.0	106.1	122.0
140°	5.3	26.5	63.7	95.5	111.4
142.5°	5.3	26.5	58.4	84.9	100.8
145°	5.3	21.2	53.1	79.6	84.9
147.5°	5.3	21.2	47.8	69.0	79.6
150°	5.3	15.9	42.4	58.4	69.0
152.5°	5.3	15.9	37.1	53.1	58.4
155°	5.3	15.9	31.8	47.8	53.1
157.5°	5.3	15.9	26.5	42.4	42.4
160°	5.3	10.6	21.2	31.8	37.1
162.5°	5.3	10.6	21.2	26.5	31.8
165°	5.3	10.6	15.9	21.2	26.5
167.5°	5.3	5.3	10.6	15.9	21.2
170°	5.3	5.3	10.6	10.6	15.9
172.5°	5.3	5.3	5.3	5.3	10.6
175°	5.3	5.3	5.3	5.3	5.3
177.5°	5.3	5.3	5.3	0.0	0.0
180°	5.3	5.3	5.3	5.3	5.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	63.7	<i>175.1</i>	265.3	307.7
110°	0.0	58.4	<i>159.2</i>	244.1	281.2



(END OF REPORT)