

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: P709816

Luminaire Tested: **8AWS-L3C39-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709816
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-L3C39-UNV-4000K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 90CRI

Light Source: -
Ballast/Driver: -

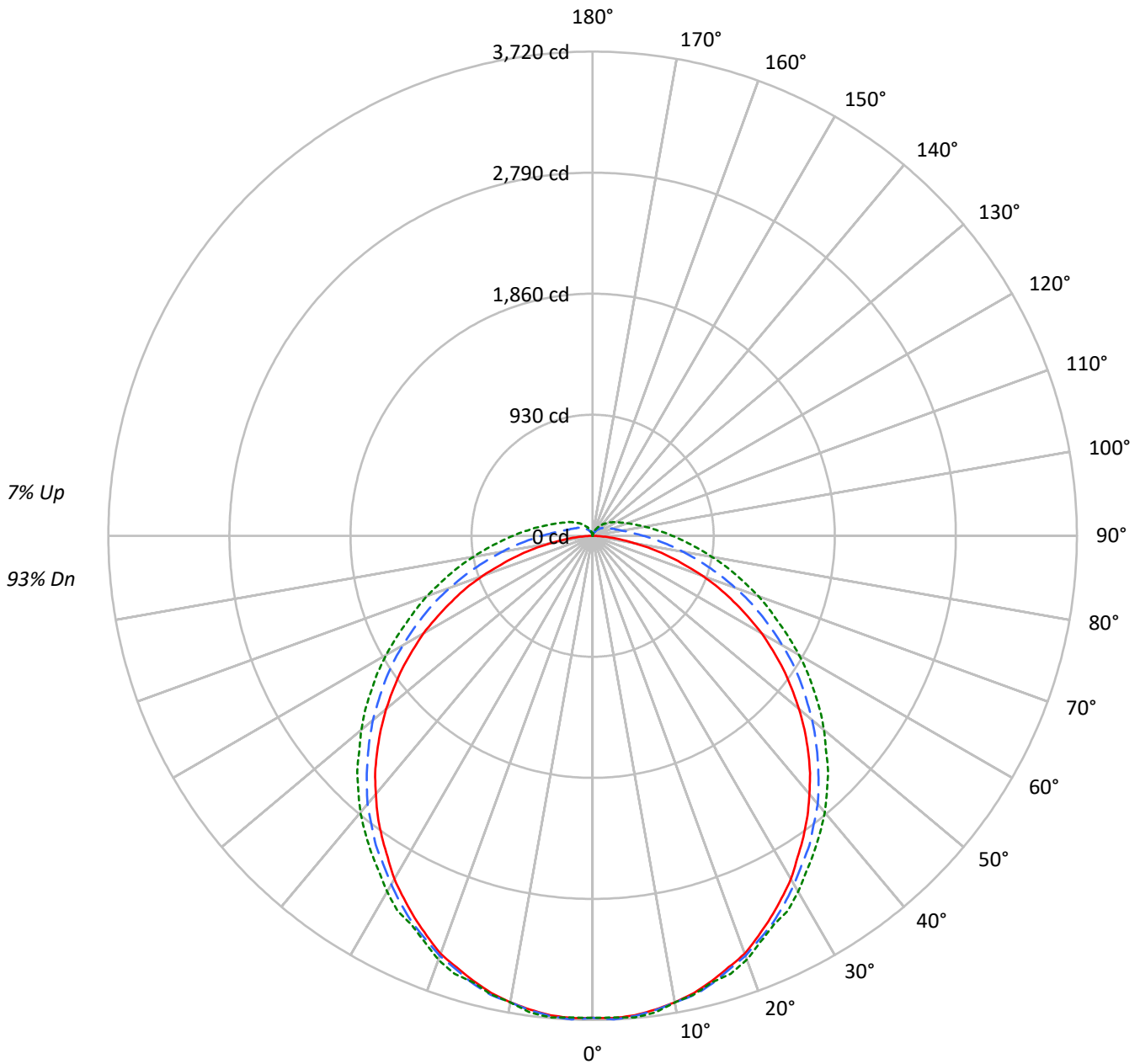
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11997.0 lumens
Efficiency: N/A
Efficacy: 146.3 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): 82
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°	11681	11681	11681
5°	11692	11528	11496
10°	11624	11268	11144
15°	11506	11045	10833
20°	11401	10755	10620
25°	11179	10456	10223
30°	10989	10121	9992
35°	10746	9827	9656
40°	10518	9512	9373
45°	10270	9123	9047
50°	9961	8759	8679
55°	9610	8366	8311
60°	9213	7922	7953
65°	8610	7473	7541
70°	7917	6966	7267
75°	6890	6461	6978
80°	5385	6071	6802
85°	3402	5868	6847



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.5	2.9
10°-20°	1002.6	8.4
20°-30°	1508.6	12.6
30°-40°	1811.7	15.1
40°-50°	1886.5	15.7
50°-60°	1733.4	14.4
60°-70°	1392.2	11.6
70°-80°	949.2	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°	2862.7	23.9
0°-40°	4674.4	39.0
0°-60°	8294.4	69.1
0°-90°	11175.2	93.1
90°-120°	623.9	5.2
90°-150°	802.3	6.7
90°-180°	822.0	6.9
0°-180°	11997.0	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	3561	3571	3550	999
25°	3237	3237	3279	3311	3295	1492
35°	2823	2839	2903	2945	2966	1766
45°	2340	2367	2446	2520	2558	1805
55°	1788	1841	1947	2038	2075	1597
65°	1194	1284	1422	1528	1576	1184
75°	600	727	918	1072	1130	635
85°	111	286	525	695	754	137
90°	5	170	387	547	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°	3703.9	3703.9	3703.9	3703.9	3703.9
2.5°	3709.2	3703.9	3719.8	3714.5	3703.9
5°	3698.5	3703.9	3703.9	3709.2	3714.5
7.5°	3672.0	3661.4	3677.3	3693.2	3693.2
10°	3640.2	3629.6	3640.2	3650.8	3640.2
12.5°	3597.7	3576.5	3613.6	3613.6	3608.3
15°	3539.4	3534.0	3560.6	3571.2	3550.0
17.5°	3475.7	3491.6	3491.6	3512.8	3528.7
20°	3417.3	3406.7	3433.2	3449.1	3465.1
22.5°	3327.1	3321.8	3353.6	3380.2	3374.9
25°	3236.9	3236.9	3279.3	3311.2	3295.3
27.5°	3141.4	3141.4	3189.1	3221.0	3247.5
30°	3045.9	3056.5	3093.6	3136.1	3157.3
32.5°	2929.1	2955.7	2992.8	3051.2	3056.5
35°	2823.0	2838.9	2902.6	2945.0	2966.3
37.5°	2711.6	2716.9	2791.2	2849.5	2870.8
40°	2589.5	2600.1	2690.3	2743.4	2775.2
42.5°	2472.8	2483.4	2568.3	2637.3	2663.8
45°	2340.1	2366.6	2446.2	2520.5	2557.7
47.5°	2207.5	2244.6	2324.2	2409.1	2430.3
50°	2069.5	2106.6	2202.1	2271.1	2318.9
52.5°	1926.2	1974.0	2069.5	2159.7	2202.1
55°	1788.3	1841.3	1947.4	2037.7	2074.8
57.5°	1639.7	1703.3	1820.1	1915.6	1958.1
60°	1501.7	1554.8	1682.1	1782.9	1830.7
62.5°	1342.5	1411.5	1549.5	1660.9	1703.3
65°	1193.9	1284.1	1422.1	1528.2	1576.0
67.5°	1050.7	1140.9	1294.8	1406.2	1464.6
70°	896.8	997.6	1162.1	1289.5	1353.1
72.5°	737.6	854.3	1040.1	1183.3	1236.4
75°	599.6	727.0	918.0	1071.9	1130.3
77.5°	461.7	594.3	806.6	965.8	1029.4
80°	323.7	472.3	705.7	870.2	928.6
82.5°	212.3	376.8	610.2	774.7	838.4
85°	111.4	286.5	525.3	695.1	753.5
87.5°	37.1	217.6	451.0	620.8	679.2
90°	5.3	169.8	387.4	546.6	610.2
92.5°	0.0	132.7	334.3	493.5	551.9
95°	0.0	106.1	291.9	440.4	493.5
97.5°	0.0	90.2	260.0	392.7	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	291.9	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	212.3	238.8
117.5°	0.0	47.8	132.7	196.3	222.9
120°	0.0	42.5	122.0	185.7	212.3
122.5°	0.0	42.5	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	127.4	143.3
135°	5.3	31.8	79.6	116.7	132.7
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	42.5	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	42.5	42.5
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	307.8
110°	0.0	58.4	<i>159.2</i>	244.1	281.2



(END OF REPORT)