

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: P709967

Luminaire Tested: **14ARS-L3C3-NUV-4000K-LOW**

Issue Date: 10/4/2023

Test Information

Test Method: LM-79-08
Report Number: P709967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14ARS-L3C3-NUV-4000K-LOW
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 4000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

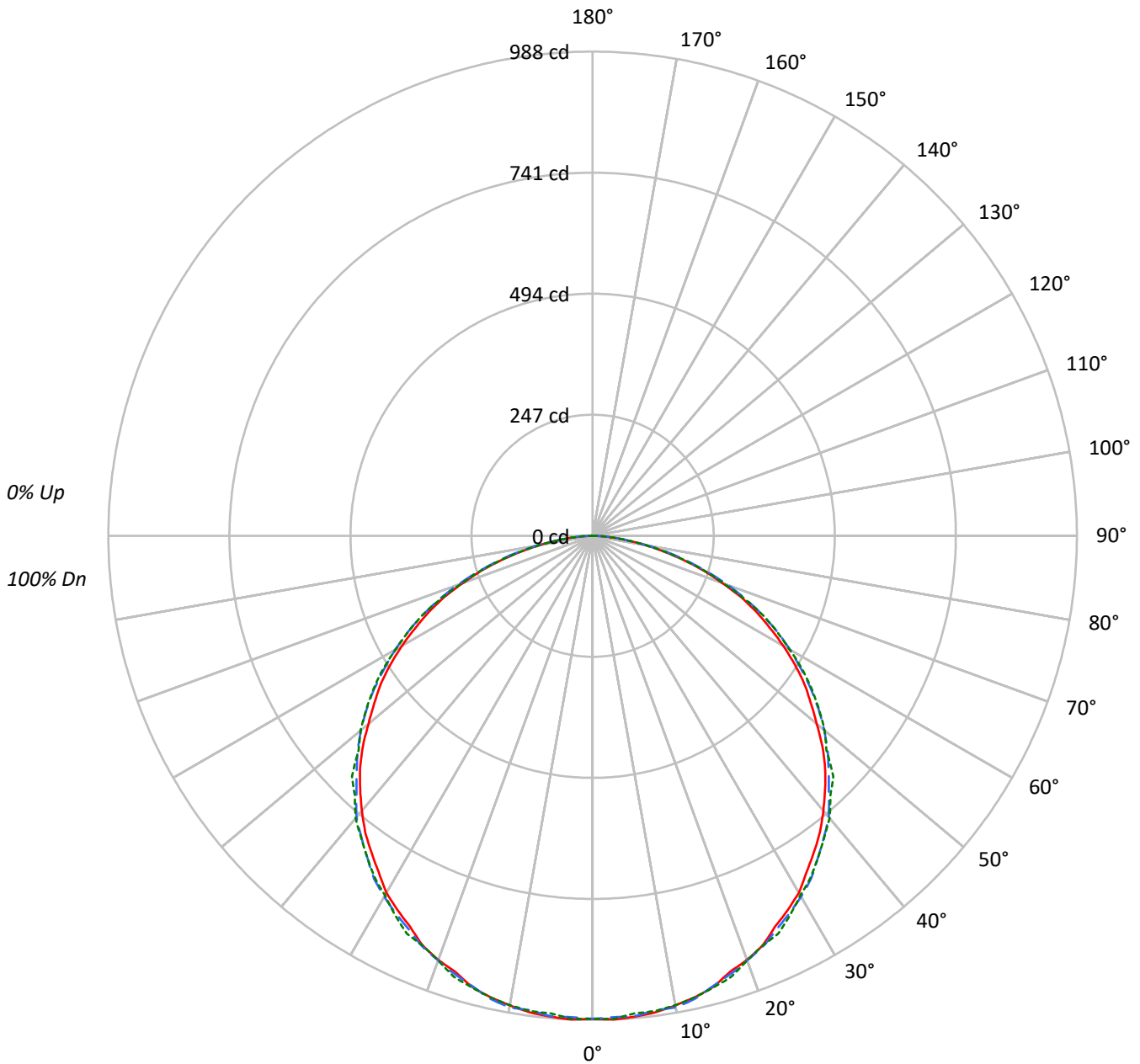
Lumens per Lamp: N/A
Luminaire Lumens: 2910.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.85' x L: 3.87' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	40	68	55	46	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3225	3225	3225
5°	3236	3233	3214
10°	3233	3247	3232
15°	3227	3221	3231
20°	3207	3212	3210
25°	3179	3201	3235
30°	3179	3214	3202
35°	3146	3202	3202
40°	3128	3202	3213
45°	3104	3150	3213
50°	3039	3138	3146
55°	3009	3101	3113
60°	2939	3041	3033
65°	2857	2954	2971
70°	2683	2815	2721
75°	2431	2544	2482
80°	2056	2114	2056
85°	1404	1487	1554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	3.2
10°-20°	268.9	9.2
20°-30°	409.1	14.1
30°-40°	499.6	17.2
40°-50°	525.0	18.0
50°-60°	482.3	16.6
60°-70°	373.3	12.8
70°-80°	209.3	7.2
80°-90°	49.1	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	771.3	26.5
0°-40°	1271.0	43.7
0°-60°	2278.3	78.3
0°-90°	2910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	985	974	984	982	978	94
15°	953	953	951	956	954	268
25°	880	883	887	891	896	407
35°	788	792	802	804	802	493
45°	671	674	681	685	694	516
55°	528	536	544	542	546	470
65°	369	374	382	382	384	364
75°	192	200	201	194	196	204
85°	37	38	40	40	41	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.5	985.5	985.5	985.5	985.5
2.5°	988.2	983.8	983.3	985.1	986.4
5°	985.1	974.4	984.2	982.0	978.4
7.5°	981.1	966.0	976.6	978.0	978.0
10°	973.1	966.4	977.1	974.4	972.6
12.5°	964.6	964.2	967.7	966.4	964.6
15°	952.6	953.0	950.8	955.7	953.9
17.5°	932.6	939.2	937.5	943.3	943.3
20°	921.0	917.4	922.3	925.0	921.9
22.5°	905.4	898.3	907.6	909.4	905.4
25°	880.5	882.7	886.7	891.2	896.1
27.5°	861.3	862.7	868.9	868.0	872.5
30°	841.3	842.2	850.7	854.7	847.5
32.5°	812.8	822.6	829.7	828.0	827.5
35°	787.5	791.5	801.7	803.9	801.7
37.5°	762.1	764.7	775.0	774.5	775.9
40°	732.3	737.6	749.6	745.6	752.3
42.5°	702.0	708.2	713.1	717.6	718.0
45°	670.8	674.4	680.6	684.6	694.4
47.5°	635.7	644.1	650.3	653.5	647.2
50°	596.9	611.2	616.5	619.6	617.9
52.5°	561.3	576.5	580.9	580.9	582.2
55°	527.5	535.9	543.5	541.7	545.7
57.5°	489.2	498.6	503.5	505.7	507.5
60°	449.1	462.1	464.7	463.8	463.4
62.5°	407.7	419.3	424.7	421.1	424.2
65°	369.0	373.9	381.5	381.5	383.7
67.5°	328.1	333.4	338.3	337.4	333.9
70°	280.4	288.0	294.2	288.5	284.4
72.5°	238.6	244.8	245.7	241.3	241.7
75°	192.3	199.9	201.2	194.5	196.3
77.5°	148.7	156.7	158.0	150.9	150.9
80°	109.1	114.4	112.2	109.1	109.1
82.5°	70.8	74.3	72.1	73.9	72.1
85°	37.4	38.3	39.6	40.1	41.4
87.5°	12.5	13.8	13.4	12.0	11.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)