

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1308628

Luminaire Tested: P3SQAS02R309035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

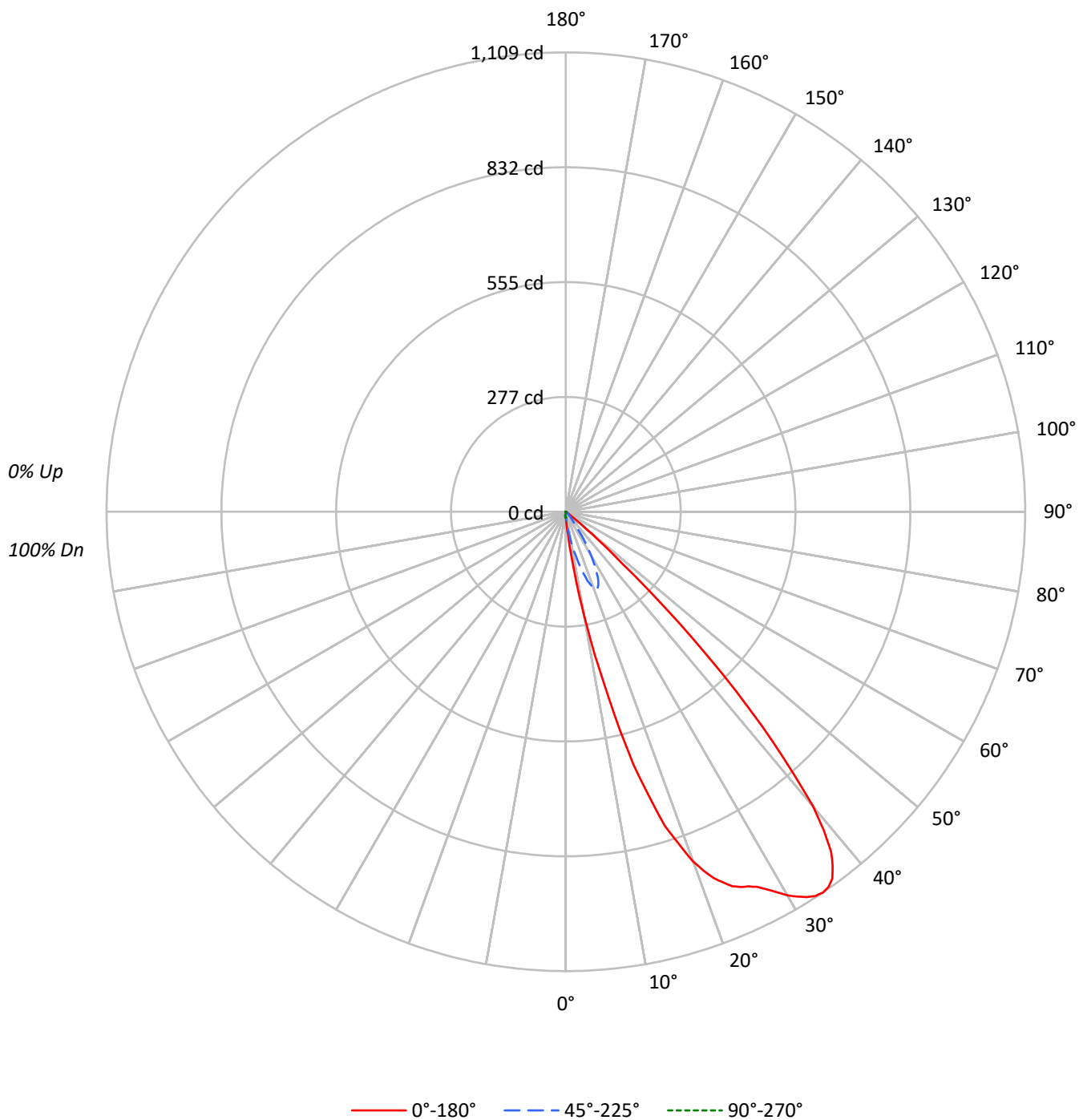
Lumens per Lamp: N/A
Luminaire Lumens: 267.1 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (Ain): 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: 24 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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2463	2463	2463	2463	2463
5°	8921	5549	2247	916	657
10°	44175	13273	1749	175	0
15°	112667	25283	1123	0	0
20°	164636	35959	458	0	0
25°	189932	35288	95	0	0
30°	212567	24222	0	0	0
35°	232468	10428	0	0	0
40°	208656	4047	0	0	0
45°	106557	1656	0	0	0
50°	16451	214	0	0	0
55°	991	0	90	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	532	0	0
80°	0	298	793	0	0
85°	0	593	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 106557 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	1.1
10°-20°	35.6	13.3
20°-30°	87.9	32.9
30°-40°	101.1	37.9
40°-50°	37.5	14.0
50°-60°	1.4	0.5
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	126.5	47.4
0°-40°	227.6	85.2
0°-60°	266.5	99.8
0°-90°	267.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	52	32	13	5	4	11
15°	632	142	6	0	0	182
25°	1000	186	0	0	0	462
35°	1106	50	0	0	0	670
45°	438	7	0	0	0	341
55°	3	0	0	0	0	11
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	25.3	25.6	25.6	24.8	24.6	24.3	23.6	21.3	17.8	14.3	11.5
5°	51.6	51.9	51.9	50.4	47.4	44.3	41.8	32.1	20.5	13.0	8.5
7.5°	121.8	122.0	116.8	110.7	98.7	92.5	80.9	49.4	23.3	11.8	5.5
10°	252.6	247.1	233.3	215.7	197.2	173.1	148.8	75.9	25.3	10.0	3.5
12.5°	422.2	416.9	399.1	374.1	337.8	290.7	244.6	106.7	25.6	8.0	2.0
15°	631.9	617.1	595.8	554.2	500.6	427.7	351.5	141.8	24.6	6.3	0.5
17.5°	794.5	781.0	753.9	705.3	638.7	557.8	464.3	175.1	21.8	4.0	0.0
20°	898.3	884.0	858.7	815.8	744.9	650.0	543.0	196.2	18.0	2.5	0.0
21°	927.8	914.1	889.3	846.7	776.0	681.3	562.3	200.7	16.3	2.0	0.0
22°	953.9	943.1	920.1	873.7	801.8	704.3	581.8	201.2	15.0	1.5	0.0
23°	972.2	964.4	941.4	898.8	827.1	723.1	592.3	198.2	13.5	1.0	0.0
24°	989.7	980.2	960.4	920.8	847.2	738.9	601.9	192.7	12.0	0.8	0.0
25°	999.5	988.5	973.2	936.1	863.7	748.9	607.6	185.7	10.5	0.5	0.0
26°	1006.3	997.7	981.0	945.1	870.7	755.5	608.4	175.4	9.5	0.3	0.0
27°	1016.5	1008.0	991.7	953.1	873.7	754.5	603.9	163.6	8.3	0.0	0.0
28°	1032.1	1020.8	1004.5	961.7	875.0	750.2	593.8	150.8	7.0	0.0	0.0
29°	1049.9	1038.3	1020.6	972.9	875.2	741.7	578.1	136.8	6.3	0.0	0.0
30°	1068.9	1058.9	1040.8	984.0	878.0	730.6	559.8	121.8	5.0	0.0	0.0
31°	1083.9	1074.9	1055.6	994.0	880.2	721.1	537.2	106.7	4.3	0.0	0.0
32°	1097.0	1089.0	1065.2	996.2	875.7	707.6	513.2	92.2	3.5	0.0	0.0
33°	1106.0	1096.0	1068.2	990.5	862.7	685.3	486.3	78.4	2.8	0.0	0.0
34°	1109.3	1097.2	1063.6	975.4	836.4	651.5	451.5	64.1	2.3	0.0	0.0
35°	1105.7	1091.0	1047.4	949.6	800.8	611.1	409.7	49.6	1.8	0.0	0.0
36°	1094.5	1075.7	1024.1	912.8	749.9	563.5	367.8	38.6	1.3	0.0	0.0
37°	1070.2	1049.4	984.2	864.2	699.6	508.9	320.2	30.1	0.8	0.0	0.0
38°	1040.3	1010.3	931.1	802.8	634.4	447.5	273.1	24.8	0.5	0.0	0.0
39°	989.5	956.4	868.0	732.2	570.5	389.1	227.3	21.5	0.3	0.0	0.0
40°	928.1	888.8	795.8	656.5	495.1	328.0	189.7	18.0	0.3	0.0	0.0
42.5°	700.1	666.8	566.8	446.5	302.7	193.4	105.2	11.8	0.0	0.0	0.0
45°	437.5	402.7	335.0	244.8	163.9	100.2	50.6	6.8	0.0	0.0	0.0
47.5°	178.7	163.9	134.8	103.7	74.2	47.1	21.0	3.0	0.0	0.0	0.0
50°	61.4	54.6	45.9	33.6	23.8	16.3	11.0	0.8	0.0	0.0	0.0
52.5°	17.8	18.0	15.8	13.5	10.5	7.5	5.5	0.0	0.0	0.0	0.0
55°	3.3	2.8	3.3	3.0	3.3	2.8	2.0	0.0	0.0	0.3	0.0
57.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	14.3	14.3	14.3
2.5°	9.3	8.3	7.8
5°	5.3	4.0	3.8
7.5°	2.8	1.8	1.5
10°	1.0	0.3	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)