

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: P1310845

Luminaire Tested: P3SQAS02R309050DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310845
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: P3SQAS02R309050DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

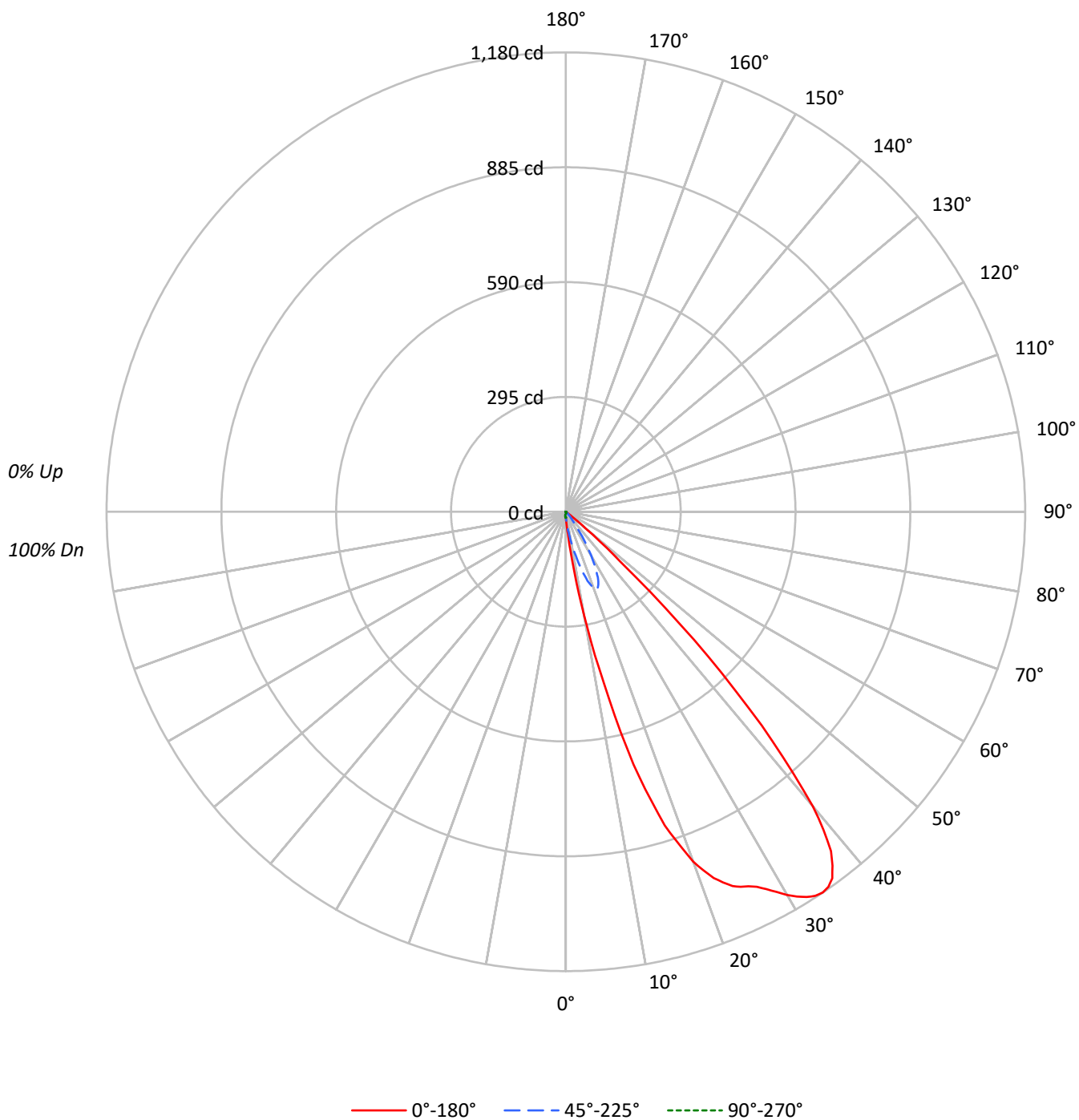
Lumens per Lamp: N/A
Luminaire Lumens: 284.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	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°	2618	2618	2618	2618	2618
5°	9491	5895	2403	968	692
10°	46990	14130	1871	192	0
15°	119852	26887	1195	0	0
20°	175120	38250	495	0	0
25°	202017	37530	95	0	0
30°	226110	25753	0	0	0
35°	247269	11101	0	0	0
40°	221943	4317	0	0	0
45°	113328	1754	0	0	0
50°	17496	214	0	0	0
55°	1051	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: 113328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	1.1
10°-20°	37.8	13.3
20°-30°	93.5	32.9
30°-40°	107.5	37.9
40°-50°	39.9	14.0
50°-60°	1.5	0.5
60°-70°	0.1	0.0
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°	134.5	47.4
0°-40°	242.1	85.2
0°-60°	283.4	99.8
0°-90°	284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	284.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	55	34	14	6	4	12
15°	672	151	7	0	0	193
25°	1063	198	0	0	0	491
35°	1176	53	0	0	0	713
45°	465	7	0	0	0	362
55°	4	0	0	0	0	12
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°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
2.5°	26.9	27.2	27.2	26.4	26.1	25.9	25.1	22.7	18.9	15.2	12.3
5°	54.9	55.2	55.2	53.6	50.4	47.2	44.5	34.1	21.9	13.9	9.1
7.5°	129.5	129.8	124.2	117.8	105.0	98.3	86.1	52.5	24.8	12.5	5.9
10°	268.7	262.8	248.1	229.5	209.8	184.2	158.3	80.8	26.9	10.7	3.7
12.5°	449.1	443.5	424.6	397.9	359.3	309.2	260.1	113.5	27.2	8.5	2.1
15°	672.2	656.4	633.8	589.5	532.5	454.9	373.9	150.8	26.1	6.7	0.5
17.5°	845.1	830.7	802.0	750.2	679.4	593.3	493.9	186.3	23.2	4.3	0.0
20°	955.5	940.3	913.4	867.8	792.4	691.3	577.5	208.7	19.2	2.7	0.0
21°	986.9	972.3	945.9	900.6	825.4	724.7	598.1	213.5	17.3	2.1	0.0
22°	1014.6	1003.2	978.7	929.4	852.9	749.2	618.9	214.0	16.0	1.6	0.0
23°	1034.1	1025.8	1001.3	956.0	879.8	769.2	630.0	210.8	14.4	1.1	0.0
24°	1052.7	1042.6	1021.6	979.5	901.1	786.0	640.2	205.0	12.8	0.8	0.0
25°	1063.1	1051.4	1035.2	995.7	918.7	796.6	646.3	197.5	11.2	0.5	0.0
26°	1070.3	1061.3	1043.4	1005.3	926.2	803.6	647.1	186.6	10.1	0.3	0.0
27°	1081.3	1072.2	1054.9	1013.8	929.4	802.5	642.3	174.0	8.8	0.0	0.0
28°	1097.8	1085.8	1068.5	1022.9	930.7	798.0	631.6	160.4	7.5	0.0	0.0
29°	1116.7	1104.5	1085.5	1034.9	930.9	788.9	614.9	145.5	6.7	0.0	0.0
30°	1137.0	1126.3	1107.1	1046.6	933.9	777.2	595.4	129.5	5.3	0.0	0.0
31°	1153.0	1143.4	1122.8	1057.3	936.3	767.0	571.4	113.5	4.5	0.0	0.0
32°	1166.8	1158.3	1133.0	1059.7	931.5	752.6	545.8	98.1	3.7	0.0	0.0
33°	1176.4	1165.8	1136.2	1053.5	917.6	728.9	517.3	83.4	2.9	0.0	0.0
34°	1179.9	1167.1	1131.4	1037.6	889.6	692.9	480.3	68.2	2.4	0.0	0.0
35°	1176.1	1160.4	1114.0	1010.1	851.8	650.0	435.8	52.8	1.9	0.0	0.0
36°	1164.2	1144.2	1089.3	970.9	797.7	599.4	391.2	41.0	1.3	0.0	0.0
37°	1138.3	1116.2	1046.9	919.2	744.1	541.3	340.6	32.0	0.8	0.0	0.0
38°	1106.6	1074.6	990.4	853.9	674.8	476.0	290.5	26.4	0.5	0.0	0.0
39°	1052.5	1017.3	923.2	778.8	606.9	413.9	241.7	22.9	0.3	0.0	0.0
40°	987.2	945.3	846.5	698.3	526.6	348.9	201.8	19.2	0.3	0.0	0.0
42.5°	744.7	709.2	602.9	474.9	322.0	205.8	111.9	12.5	0.0	0.0	0.0
45°	465.3	428.3	356.3	260.4	174.3	106.6	53.8	7.2	0.0	0.0	0.0
47.5°	190.0	174.3	143.4	110.3	78.9	50.1	22.4	3.2	0.0	0.0	0.0
50°	65.3	58.1	48.8	35.7	25.3	17.3	11.7	0.8	0.0	0.0	0.0
52.5°	18.9	19.2	16.8	14.4	11.2	8.0	5.9	0.0	0.0	0.0	0.0
55°	3.5	2.9	3.5	3.2	3.5	2.9	2.1	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°	15.2	15.2	15.2
2.5°	9.9	8.8	8.3
5°	5.6	4.3	4.0
7.5°	2.9	1.9	1.6
10°	1.1	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)