

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: P1310916

Luminaire Tested: P3SQAS02R609050DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609050DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

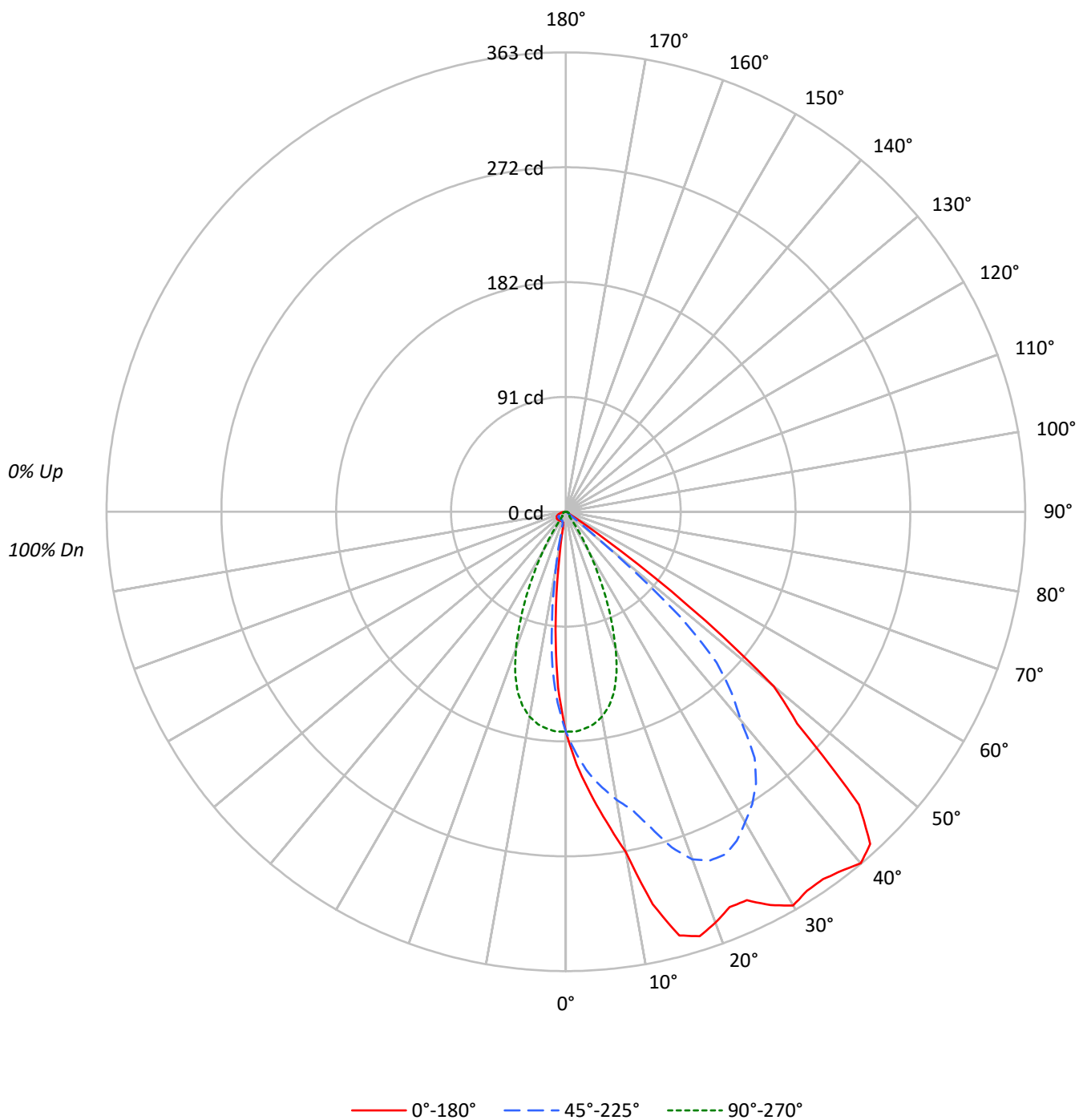
Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29898	29898	29898	29898	29898
5°	38622	35855	29735	21178	16164
10°	47725	40415	28768	8009	2378
15°	61798	46001	26245	1765	1569
20°	63340	53571	21132	1466	1521
25°	64362	56723	14157	1425	1520
30°	71433	56339	7298	1432	1591
35°	74511	55084	2018	1514	1745
40°	81520	48314	967	1619	1911
45°	79766	41040	974	1754	2143
50°	57498	10128	1072	1929	2358
55°	11020	631	1111	2072	2642
60°	551	654	1102	2204	2859
65°	530	652	1100	2282	3056
70°	554	655	1057	2266	3072
75°	532	732	1065	2329	3194
80°	298	793	1091	2380	3174
85°	593	593	988	2174	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	5.4
10°-20°	41.7	14.8
20°-30°	64.1	22.7
30°-40°	75.3	26.7
40°-50°	60.4	21.4
50°-60°	18.7	6.6
60°-70°	3.5	1.3
70°-80°	2.4	0.8
80°-90°	0.8	0.3
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°	120.9	42.9
0°-40°	196.2	69.6
0°-60°	275.3	97.6
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	174	174	174	174	174	
5°	223	207	172	122	94	23
15°	347	258	147	10	9	95
25°	339	298	74	8	8	160
35°	354	262	10	7	8	224
45°	328	168	4	7	9	234
55°	37	2	4	7	9	58
65°	1	2	3	6	8	1
75°	1	1	2	4	5	1
85°	0	0	0	1	2	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
2.5°	200.2	198.1	198.1	197.3	196.5	196.8	194.6	195.4	193.3	191.7	190.4
5°	223.4	220.7	220.4	219.1	217.8	216.7	214.1	212.5	209.3	207.4	203.4
7.5°	247.3	245.2	243.9	242.3	239.9	237.2	232.7	229.8	224.7	219.7	214.6
10°	272.9	271.0	268.1	266.2	259.6	255.3	249.2	245.2	237.8	231.1	223.4
12.5°	317.6	316.6	311.0	307.2	297.7	289.1	275.8	265.2	251.9	240.9	230.6
15°	346.6	345.3	342.4	338.9	332.8	323.2	311.2	296.3	277.7	258.0	240.4
17.5°	351.7	352.0	350.1	349.3	345.3	339.2	329.6	318.4	299.8	278.0	254.0
20°	345.6	347.7	347.2	348.8	349.6	347.2	340.8	329.9	313.6	292.3	265.4
22.5°	338.1	340.0	339.5	342.4	346.9	349.3	347.2	338.4	321.9	298.2	271.8
25°	338.7	340.0	336.0	337.9	343.7	349.6	349.8	342.1	324.3	298.5	271.3
27.5°	350.4	346.4	337.3	336.5	343.7	351.2	351.7	342.1	320.8	292.9	266.0
30°	359.2	356.2	346.1	344.8	351.7	356.8	354.1	339.2	312.6	283.3	258.3
32.5°	354.9	355.4	351.2	355.4	364.5	366.6	355.4	332.3	301.1	274.0	249.2
35°	354.4	356.5	358.9	365.6	371.7	366.6	348.8	319.2	288.9	262.0	235.1
37.5°	357.6	361.0	364.5	370.3	370.3	357.3	331.2	302.7	274.2	244.9	205.8
40°	362.6	364.8	365.8	365.3	358.1	338.9	311.2	282.8	255.6	214.9	186.4
42.5°	356.0	355.7	354.6	350.1	336.8	311.8	285.9	262.8	219.9	193.8	161.3
45°	327.5	327.5	324.6	317.4	305.1	284.3	261.5	227.6	200.5	168.5	119.8
47.5°	247.9	246.0	249.2	253.5	253.5	251.6	230.8	201.5	173.9	121.7	38.3
50°	214.6	211.7	207.7	208.5	207.9	210.1	196.8	174.7	128.6	37.8	2.7
52.5°	121.4	126.7	139.8	158.1	166.4	169.3	161.1	132.9	43.4	2.4	2.1
55°	36.7	37.8	42.9	52.7	71.6	91.6	92.9	43.1	2.9	2.1	2.1
57.5°	1.6	1.6	2.1	3.2	7.5	11.2	12.0	2.7	1.9	2.1	2.1
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9	1.9	1.9	2.1
62.5°	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9	1.9
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.9
67.5°	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1
77.5°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
2.5°	188.5	186.4	184.0	173.9	164.0	150.7	141.6	139.0
5°	199.9	196.5	191.2	172.0	148.8	122.5	101.2	93.5
7.5°	209.5	204.2	196.8	169.3	130.7	83.1	53.5	45.3
10°	216.5	209.8	200.2	164.5	106.8	45.8	18.1	13.6
12.5°	222.3	213.5	202.1	157.3	77.7	18.6	9.3	9.3
15°	226.3	215.7	202.9	147.2	50.3	9.9	8.8	8.8
17.5°	231.9	218.1	202.9	133.1	27.4	8.5	8.5	8.5
20°	240.9	220.4	199.9	115.3	15.2	8.0	8.3	8.3
22.5°	245.7	223.9	196.2	94.5	9.6	7.7	8.0	8.0
25°	246.8	223.4	188.2	74.5	7.7	7.5	7.7	8.0
27.5°	243.1	219.7	177.6	54.3	6.9	7.2	7.7	8.0
30°	236.4	210.6	160.5	36.7	6.4	7.2	7.7	8.0
32.5°	223.9	188.8	140.6	22.1	6.1	7.2	7.7	8.3
35°	196.0	165.9	117.7	9.6	5.9	7.2	8.0	8.3
37.5°	175.7	143.0	91.1	4.8	5.9	7.2	8.0	8.5
40°	153.4	115.0	42.1	4.3	5.9	7.2	8.0	8.5
42.5°	116.9	53.2	5.1	4.3	5.6	7.2	8.3	8.5
45°	42.6	5.6	2.7	4.0	5.6	7.2	8.3	8.8
47.5°	3.2	2.1	2.4	4.0	5.6	7.2	8.3	8.8
50°	2.1	2.1	2.4	4.0	5.6	7.2	8.3	8.8
52.5°	2.1	2.4	2.4	3.7	5.3	7.2	8.3	8.8
55°	2.1	2.4	2.4	3.7	5.3	6.9	8.3	8.8
57.5°	2.1	2.1	2.4	3.5	5.1	6.7	8.3	8.5
60°	2.1	2.1	2.4	3.2	4.8	6.4	7.7	8.3
62.5°	2.1	2.1	2.1	2.9	4.5	6.1	7.5	8.0
65°	1.9	1.9	2.1	2.7	4.0	5.6	6.9	7.5
67.5°	1.6	1.9	1.9	2.4	3.7	5.1	6.4	6.9
70°	1.6	1.6	1.6	2.1	3.2	4.5	5.9	6.1
72.5°	1.3	1.3	1.6	1.9	2.9	4.0	5.3	5.6
75°	1.1	1.3	1.3	1.6	2.4	3.5	4.5	4.8
77.5°	1.1	1.1	1.1	1.3	2.1	2.9	3.7	4.0
80°	0.8	0.8	0.8	1.1	1.6	2.4	2.9	3.2
82.5°	0.5	0.8	0.8	0.8	1.3	1.6	2.1	2.4
85°	0.5	0.5	0.5	0.5	0.8	1.1	1.3	1.6
87.5°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)