

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: P1306454

Luminaire Tested: P3SQAS02R559027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

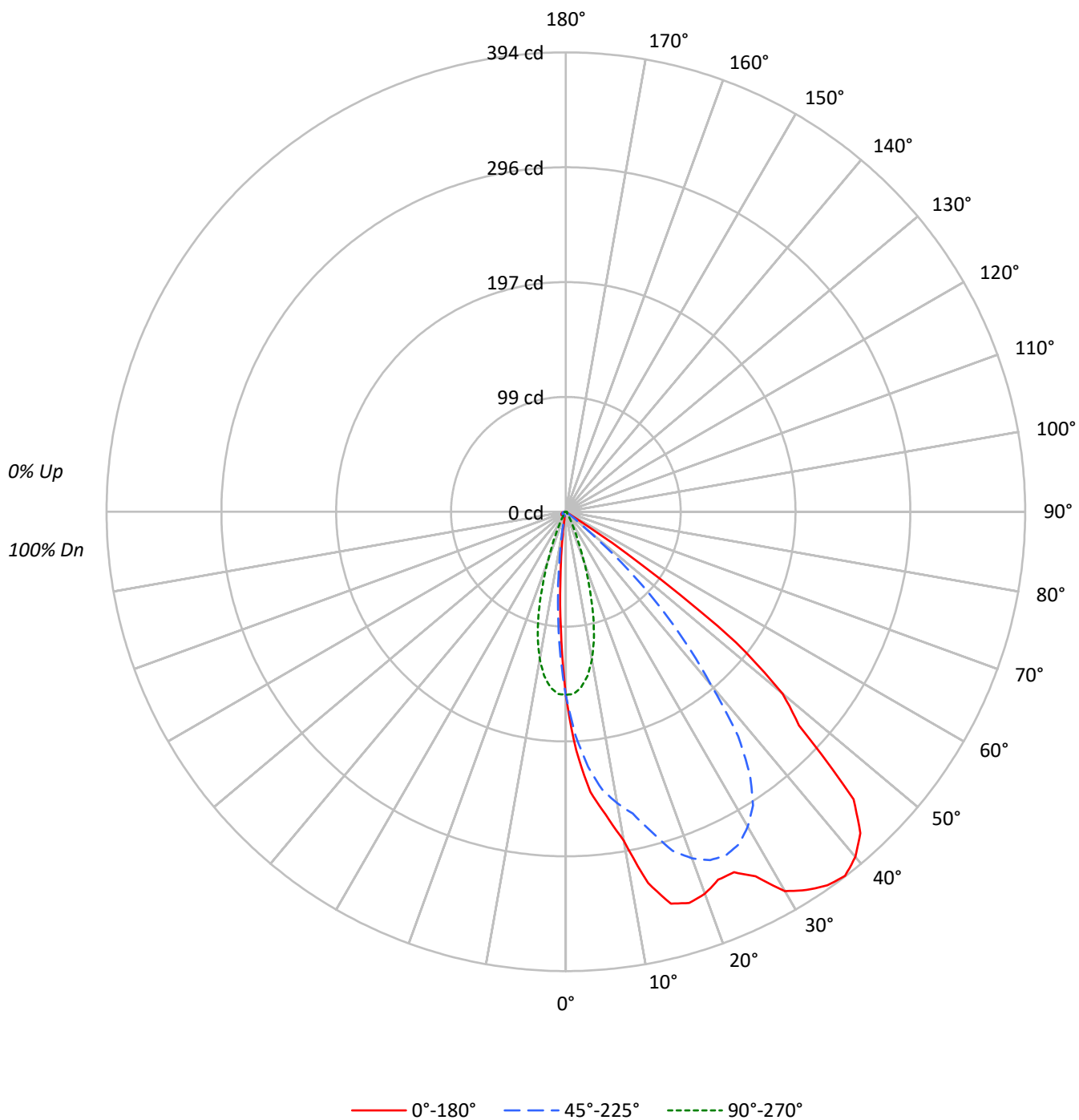
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27039	27039	27039	27039	27039
5°	41699	37965	26122	13416	8817
10°	50103	44384	22489	3375	1347
15°	62048	50690	16065	927	731
20°	63908	57970	8302	623	623
25°	64837	61759	3325	570	646
30°	74714	62046	1452	597	676
35°	82248	57859	631	631	757
40°	86871	43548	360	719	809
45°	84978	26597	341	779	999
50°	65000	5680	375	911	1152
55°	23841	210	420	1021	1291
60°	241	241	482	1171	1481
65°	285	285	571	1223	1589
70°	252	352	554	1360	1813
75°	133	333	599	1530	2129
80°	198	496	694	1587	2281
85°	0	395	988	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	5.3
10°-20°	39.6	15.1
20°-30°	60.7	23.2
30°-40°	70.8	27.0
40°-50°	56.6	21.6
50°-60°	16.7	6.4
60°-70°	1.8	0.7
70°-80°	1.4	0.5
80°-90°	0.6	0.2
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°	114.1	43.6
0°-40°	184.9	70.6
0°-60°	258.2	98.5
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	157	157	157	157	157	
5°	241	220	151	78	51	24
15°	348	284	90	5	4	96
25°	341	325	18	3	3	162
35°	391	275	3	3	4	244
45°	349	109	1	3	4	252
55°	79	1	1	3	4	84
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	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°	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0
2.5°	204.8	204.8	204.1	204.4	203.9	201.4	201.0	197.8	195.0	192.1	189.6
5°	241.2	241.7	241.0	239.6	237.8	236.0	232.1	229.2	225.3	219.6	214.4
7.5°	262.0	261.5	260.4	259.9	258.8	256.7	254.0	250.8	246.2	240.6	234.4
10°	286.5	282.7	281.5	279.7	276.1	272.0	267.2	262.9	259.0	253.8	247.2
12.5°	326.1	325.4	320.9	317.5	312.5	303.4	295.2	285.6	274.2	265.1	256.5
15°	348.0	348.4	346.4	343.7	340.5	333.0	324.8	313.6	300.2	284.3	270.1
17.5°	351.8	352.5	351.4	350.3	349.3	345.0	340.0	332.0	319.8	305.0	284.0
20°	348.7	350.0	350.3	351.6	353.4	351.6	347.5	342.1	331.8	316.3	296.3
22.5°	341.6	344.1	345.9	350.7	355.5	355.5	353.0	348.7	338.6	323.4	302.9
25°	341.2	341.6	342.3	350.0	357.5	359.1	356.9	352.3	341.4	325.0	302.7
27.5°	352.5	349.6	345.0	352.8	361.6	363.0	359.8	353.7	340.7	321.4	295.0
30°	375.7	369.1	359.6	365.3	371.4	369.8	363.5	353.7	336.1	312.0	280.4
32.5°	384.6	381.0	377.6	383.7	384.8	378.2	366.9	352.3	328.9	298.8	256.5
35°	391.2	391.4	390.1	391.2	385.8	376.4	363.9	344.8	315.2	275.2	224.9
37.5°	393.5	393.9	391.0	386.9	378.7	368.0	353.0	331.1	292.4	242.6	177.1
40°	386.4	385.1	380.3	374.6	365.7	354.8	338.4	305.9	258.5	193.7	138.1
42.5°	373.9	371.6	366.0	359.1	349.8	335.9	309.7	270.4	210.1	151.1	96.7
45°	348.9	347.3	340.2	335.2	324.1	306.1	272.4	222.8	162.5	109.2	56.0
47.5°	271.1	271.3	276.7	279.2	275.4	261.0	221.4	169.3	118.6	65.1	18.9
50°	242.6	241.5	236.0	228.5	216.0	194.6	162.5	119.7	70.1	21.2	2.7
52.5°	184.1	184.1	181.4	177.5	164.3	143.6	109.9	66.2	24.6	3.6	0.7
55°	79.4	75.3	77.6	81.9	78.5	68.3	51.4	19.8	4.3	0.7	0.7
57.5°	1.1	2.7	4.1	6.6	8.9	10.7	5.7	2.0	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.5	0.5	0.5	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
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°	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0
2.5°	185.9	182.1	175.7	156.4	136.3	117.9	104.7	99.7
5°	208.5	201.4	190.7	151.1	111.3	77.6	58.5	51.0
7.5°	226.2	217.1	201.6	142.0	81.7	41.4	24.8	19.6
10°	238.1	228.0	207.8	128.6	54.2	19.3	9.3	7.7
12.5°	246.7	234.2	210.1	111.3	31.9	8.9	5.0	4.6
15°	253.1	236.9	207.3	90.1	17.5	5.2	4.1	4.1
17.5°	262.0	238.3	200.7	66.5	10.0	3.9	3.9	3.9
20°	268.8	238.3	188.2	45.3	6.1	3.4	3.4	3.4
22.5°	272.2	234.6	173.0	28.7	4.3	3.2	3.4	3.4
25°	268.8	225.8	153.4	17.5	3.4	3.0	3.2	3.4
27.5°	256.3	208.0	127.2	11.2	2.7	3.0	3.2	3.4
30°	235.3	182.3	97.6	7.3	2.5	3.0	3.2	3.4
32.5°	205.7	144.1	63.3	4.8	2.3	3.0	3.2	3.4
35°	160.7	102.0	38.2	3.0	2.3	3.0	3.4	3.6
37.5°	120.4	68.0	20.7	1.8	2.3	3.0	3.4	3.6
40°	83.5	39.6	8.9	1.6	2.3	3.2	3.6	3.6
42.5°	48.5	15.7	2.3	1.4	2.3	3.2	3.6	3.9
45°	17.8	3.2	0.7	1.4	2.5	3.2	3.6	4.1
47.5°	2.5	0.7	0.7	1.4	2.5	3.2	3.9	4.1
50°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
52.5°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
55°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
57.5°	0.7	0.7	0.7	1.4	2.5	3.4	4.1	4.3
60°	0.7	0.7	0.7	1.4	2.3	3.4	4.1	4.3
62.5°	0.7	0.7	0.7	1.4	2.3	3.2	3.9	4.1
65°	0.7	0.7	0.7	1.4	2.0	3.0	3.9	3.9
67.5°	0.7	0.7	0.7	1.1	2.0	3.0	3.6	3.9
70°	0.7	0.7	0.7	1.1	1.8	2.7	3.4	3.6
72.5°	0.7	0.7	0.7	0.9	1.6	2.5	3.2	3.4
75°	0.5	0.7	0.7	0.9	1.6	2.3	3.0	3.2
77.5°	0.5	0.7	0.7	0.7	1.4	1.8	2.5	2.7
80°	0.5	0.5	0.7	0.7	1.1	1.6	2.0	2.3
82.5°	0.5	0.5	0.5	0.7	0.9	1.1	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)