

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: P1309984

Luminaire Tested: P3SQAS05R609040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

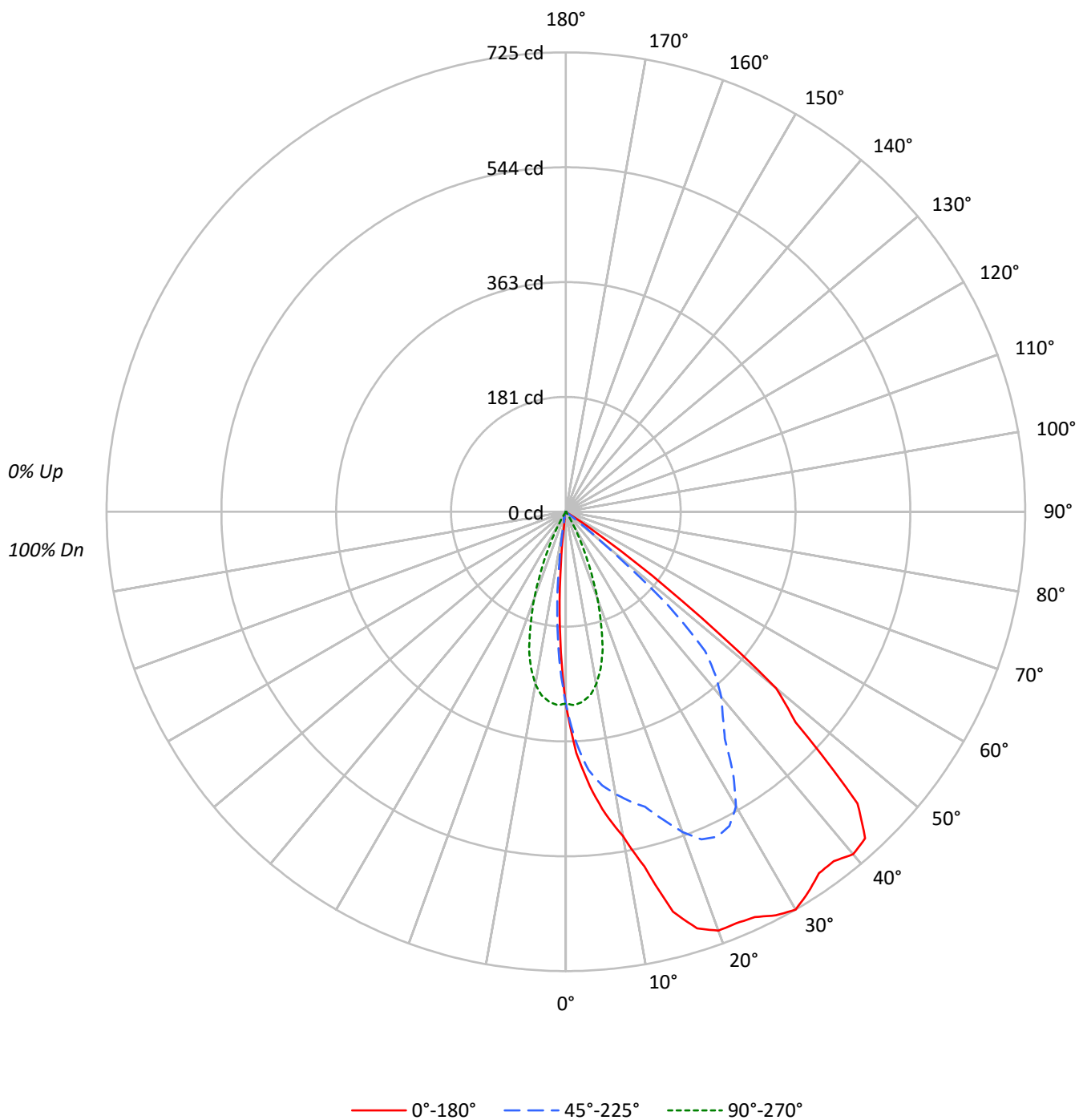
Lumens per Lamp: N/A
Luminaire Lumens: 491.9 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	52132	52132	52132	52132	52132
5°	75151	70777	52054	26814	17219
10°	90902	79115	48319	3200	1889
15°	116500	85957	40046	2104	1729
20°	128934	98529	26850	1191	202
25°	134083	107479	13207	95	0
30°	144178	106791	3639	0	0
35°	146415	91961	0	0	0
40°	158633	85724	0	0	0
45°	158484	75698	0	0	0
50°	116041	18326	0	0	0
55°	22640	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 158728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	5.3
10°-20°	74.0	15.0
20°-30°	118.0	24.0
30°-40°	136.4	27.7
40°-50°	108.3	22.0
50°-60°	28.5	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	218.0	44.3
0°-40°	354.4	72.0
0°-60°	491.2	99.8
0°-90°	491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	303	303	303	303	303	
5°	435	409	301	155	100	44
15°	653	482	225	12	10	182
25°	706	566	70	0	0	329
35°	696	437	0	0	0	442
45°	651	311	0	0	0	463
55°	75	0	0	0	0	114
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	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°	302.7	302.7	302.7	302.7	302.7	302.7	302.7	302.7	302.7	302.7	302.7
2.5°	380.8	384.6	383.0	381.3	377.6	376.0	376.0	371.7	364.7	363.6	358.7
5°	434.7	435.8	435.8	434.7	432.0	427.7	426.6	422.3	415.8	409.4	402.9
7.5°	481.5	481.0	477.8	475.6	470.8	464.8	459.5	453.5	443.8	435.2	426.1
10°	519.8	521.4	518.7	513.3	506.9	498.8	490.2	479.9	465.4	452.4	440.6
12.5°	573.6	573.1	566.1	556.9	541.3	526.2	512.8	501.5	483.7	468.1	453.5
15°	653.4	652.3	645.8	637.7	615.1	592.5	569.3	537.6	507.9	482.1	461.6
17.5°	689.4	691.6	686.2	681.9	669.0	653.9	633.4	601.6	555.9	509.0	465.9
20°	703.5	706.1	702.4	701.8	695.9	688.9	672.2	637.7	593.0	537.6	484.2
22.5°	702.9	705.1	703.5	710.5	717.5	713.7	693.2	658.7	613.0	559.6	499.3
25°	705.6	704.0	698.1	708.3	718.5	715.3	705.1	675.4	625.3	565.6	504.7
27.5°	718.0	706.1	694.3	707.2	712.1	713.1	707.2	672.2	623.2	559.1	493.9
30°	725.0	712.1	702.4	713.1	713.1	719.1	706.7	666.8	604.9	537.0	465.4
32.5°	712.1	709.4	718.0	728.8	731.5	731.5	704.0	649.0	574.2	491.8	419.6
35°	696.4	702.9	727.7	732.5	732.5	720.7	687.3	617.8	528.4	437.4	385.7
37.5°	694.8	705.1	732.5	726.6	716.9	694.8	646.4	563.4	463.2	406.7	360.3
40°	705.6	715.3	731.5	709.9	686.8	652.3	594.1	492.3	423.9	381.3	329.6
42.5°	699.1	708.3	708.8	677.1	644.2	597.3	520.3	434.7	395.4	349.0	294.6
45°	650.7	651.7	649.6	615.7	581.7	533.2	451.4	406.1	364.1	310.8	216.5
47.5°	491.8	489.6	497.7	488.0	489.6	460.5	409.9	372.7	322.6	218.1	65.7
50°	433.1	430.4	422.3	413.7	405.0	391.0	367.3	327.5	232.7	68.4	2.2
52.5°	232.1	245.1	270.4	309.2	323.7	322.6	304.9	242.4	73.3	0.5	0.0
55°	75.4	74.3	82.9	98.0	134.7	155.1	161.6	82.4	1.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	5.4	14.0	18.3	1.1	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	302.7	302.7	302.7	302.7	302.7	302.7	302.7	302.7
2.5°	352.3	344.7	336.1	305.4	269.3	234.3	209.0	202.5
5°	392.7	379.7	361.4	301.1	222.5	155.1	111.0	99.6
7.5°	413.7	402.4	383.0	292.5	172.4	76.5	28.5	19.4
10°	426.6	413.1	391.6	276.3	112.6	18.3	10.2	10.8
12.5°	435.8	420.1	395.9	253.2	57.1	9.2	12.9	13.5
15°	439.5	422.8	395.4	224.6	20.5	11.8	11.3	9.7
17.5°	437.4	416.4	388.4	183.7	7.0	11.3	5.9	4.8
20°	434.7	411.0	377.0	146.5	5.9	6.5	2.2	1.1
22.5°	443.3	401.8	361.4	105.0	5.9	2.2	0.0	0.0
25°	444.4	398.0	341.5	69.5	2.7	0.5	0.0	0.0
27.5°	433.6	376.0	310.8	40.9	0.0	0.0	0.0	0.0
30°	399.1	348.5	277.9	18.3	0.0	0.0	0.0	0.0
32.5°	365.2	317.8	241.3	4.3	0.0	0.0	0.0	0.0
35°	338.3	286.0	200.9	0.0	0.0	0.0	0.0	0.0
37.5°	304.9	248.3	149.7	0.0	0.0	0.0	0.0	0.0
40°	269.9	200.4	74.9	0.0	0.0	0.0	0.0	0.0
42.5°	210.6	95.3	7.5	0.0	0.0	0.0	0.0	0.0
45°	80.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)