

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: P1306631

Luminaire Tested: P3SQAS05R609027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306631
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: P3SQAS05R609027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

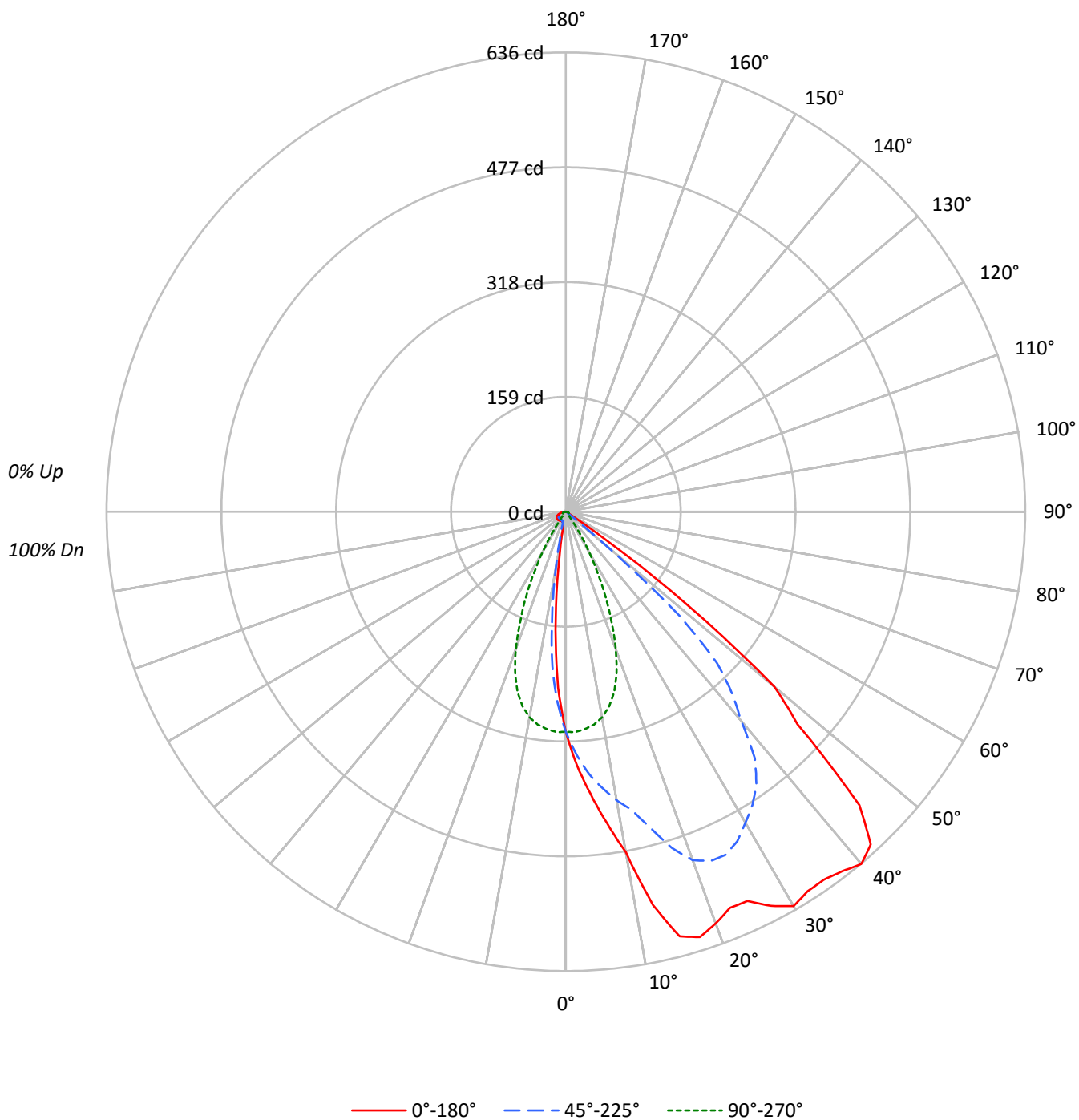
Lumens per Lamp: N/A
Luminaire Lumens: 495.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
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	81	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	42	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°	52476	52476	52476	52476	52476
5°	67786	62946	52193	37169	28352
10°	83767	70949	50505	14060	4162
15°	108494	80751	46072	3085	2746
20°	111175	94039	37095	2566	2657
25°	112971	99555	24874	2489	2660
30°	125365	98896	12827	2506	2784
35°	130772	96692	3532	2649	3049
40°	143098	84780	1686	2833	3372
45°	139998	72045	1705	3069	3751
50°	100930	17791	1876	3376	4126
55°	19367	1111	1952	3663	4624
60°	964	1137	1929	3858	4994
65°	937	1141	1915	3994	5338
70°	957	1158	1863	3978	5388
75°	932	1264	1863	4059	5590
80°	496	1389	1884	4166	5554
85°	988	988	1778	3754	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 139998 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	5.4
10°-20°	73.2	14.8
20°-30°	112.6	22.7
30°-40°	132.1	26.7
40°-50°	105.9	21.4
50°-60°	32.9	6.6
60°-70°	6.2	1.3
70°-80°	4.1	0.8
80°-90°	1.4	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°	212.3	42.9
0°-40°	344.4	69.6
0°-60°	483.2	97.6
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	305	305	305	305	305	
5°	392	364	302	215	164	40
15°	608	453	258	17	15	167
25°	594	524	131	13	14	281
35°	622	460	17	13	14	394
45°	575	296	7	13	15	411
55°	64	4	6	12	15	102
65°	2	3	5	10	13	2
75°	1	2	3	6	8	1
85°	0	0	1	2	3	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°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	351.4	347.7	347.7	346.3	344.9	345.4	341.6	343.0	339.3	336.5	334.1
5°	392.1	387.4	387.0	384.6	382.3	380.4	375.7	372.9	367.3	364.1	357.0
7.5°	434.2	430.4	428.1	425.3	421.1	416.4	408.5	403.3	394.4	385.6	376.7
10°	479.0	475.8	470.6	467.3	455.7	448.2	437.4	430.4	417.3	405.7	392.1
12.5°	557.5	555.7	545.9	539.3	522.5	507.5	484.2	465.5	442.1	422.9	404.7
15°	608.5	606.1	601.0	594.9	584.2	567.4	546.3	520.2	487.4	452.9	422.0
17.5°	617.4	617.8	614.6	613.2	606.1	595.4	578.6	558.9	526.2	487.9	445.8
20°	606.6	610.3	609.4	612.2	613.6	609.4	598.2	579.0	550.5	513.1	465.9
22.5°	593.5	596.8	595.9	601.0	608.9	613.2	609.4	594.0	565.0	523.4	477.2
25°	594.5	596.8	589.8	593.1	603.3	613.6	614.1	600.5	569.2	523.9	476.2
27.5°	615.0	608.0	592.1	590.7	603.3	616.4	617.4	600.5	563.1	514.1	466.9
30°	630.4	625.3	607.5	605.2	617.4	626.2	621.6	595.4	548.7	497.3	453.3
32.5°	623.0	623.9	616.4	623.9	639.8	643.5	623.9	583.2	528.6	480.9	437.4
35°	622.0	625.8	630.0	641.7	652.4	643.5	612.2	560.3	507.1	459.9	412.7
37.5°	627.6	633.7	639.8	650.1	650.1	627.2	581.4	531.4	481.4	430.0	361.3
40°	636.5	640.3	642.1	641.2	628.6	594.9	546.3	496.3	448.6	377.1	327.1
42.5°	624.8	624.4	622.5	614.6	591.2	547.3	501.9	461.3	386.0	340.2	283.2
45°	574.8	574.8	569.7	557.1	535.6	499.1	458.9	399.6	351.9	295.8	210.3
47.5°	435.1	431.8	437.4	444.9	444.9	441.6	405.2	353.8	305.2	213.6	67.3
50°	376.7	371.5	364.5	365.9	365.0	368.7	345.4	306.6	225.7	66.4	4.7
52.5°	213.1	222.5	245.4	277.6	292.1	297.2	282.7	233.2	76.2	4.2	3.7
55°	64.5	66.4	75.2	92.5	125.7	160.8	163.1	75.7	5.1	3.7	3.7
57.5°	2.8	2.8	3.7	5.6	13.1	19.6	21.0	4.7	3.3	3.7	3.7
60°	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3	3.3	3.7
62.5°	2.3	2.3	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8	3.3
67.5°	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	2.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9
77.5°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.5	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	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°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	330.9	327.1	322.9	305.2	287.9	264.5	248.6	244.0
5°	351.0	344.9	335.6	301.9	261.2	215.0	177.6	164.0
7.5°	367.8	358.5	345.4	297.2	229.5	145.8	93.9	79.4
10°	379.9	368.3	351.4	288.8	187.4	80.4	31.8	23.8
12.5°	390.2	374.8	354.7	276.2	136.5	32.7	16.4	16.4
15°	397.2	378.5	356.1	258.4	88.3	17.3	15.4	15.4
17.5°	407.1	382.8	356.1	233.7	48.1	15.0	15.0	15.0
20°	422.9	387.0	351.0	202.4	26.6	14.0	14.5	14.5
22.5°	431.4	393.0	344.4	165.9	16.8	13.6	14.0	14.0
25°	433.2	392.1	330.4	130.9	13.6	13.1	13.6	14.0
27.5°	426.7	385.6	311.7	95.3	12.2	12.6	13.6	14.0
30°	415.0	369.7	281.8	64.5	11.2	12.6	13.6	14.0
32.5°	393.0	331.3	246.8	38.8	10.7	12.6	13.6	14.5
35°	344.0	291.2	206.6	16.8	10.3	12.6	14.0	14.5
37.5°	308.4	251.0	159.8	8.4	10.3	12.6	14.0	15.0
40°	269.2	201.9	73.8	7.5	10.3	12.6	14.0	15.0
42.5°	205.2	93.5	8.9	7.5	9.8	12.6	14.5	15.0
45°	74.8	9.8	4.7	7.0	9.8	12.6	14.5	15.4
47.5°	5.6	3.7	4.2	7.0	9.8	12.6	14.5	15.4
50°	3.7	3.7	4.2	7.0	9.8	12.6	14.5	15.4
52.5°	3.7	4.2	4.2	6.5	9.3	12.6	14.5	15.4
55°	3.7	4.2	4.2	6.5	9.3	12.2	14.5	15.4
57.5°	3.7	3.7	4.2	6.1	8.9	11.7	14.5	15.0
60°	3.7	3.7	4.2	5.6	8.4	11.2	13.6	14.5
62.5°	3.7	3.7	3.7	5.1	7.9	10.7	13.1	14.0
65°	3.3	3.3	3.7	4.7	7.0	9.8	12.2	13.1
67.5°	2.8	3.3	3.3	4.2	6.5	8.9	11.2	12.2
70°	2.8	2.8	2.8	3.7	5.6	7.9	10.3	10.7
72.5°	2.3	2.3	2.8	3.3	5.1	7.0	9.3	9.8
75°	1.9	2.3	2.3	2.8	4.2	6.1	7.9	8.4
77.5°	1.9	1.9	1.9	2.3	3.7	5.1	6.5	7.0
80°	1.4	1.4	1.4	1.9	2.8	4.2	5.1	5.6
82.5°	0.9	1.4	1.4	1.4	2.3	2.8	3.7	4.2
85°	0.9	0.9	0.9	0.9	1.4	1.9	2.3	2.8
87.5°	0.5	0.5	0.9	0.9	0.9	0.9	0.9	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)