

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: P1308867

Luminaire Tested: P3SQAS05R609035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308867
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: P3SQAS05R609035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

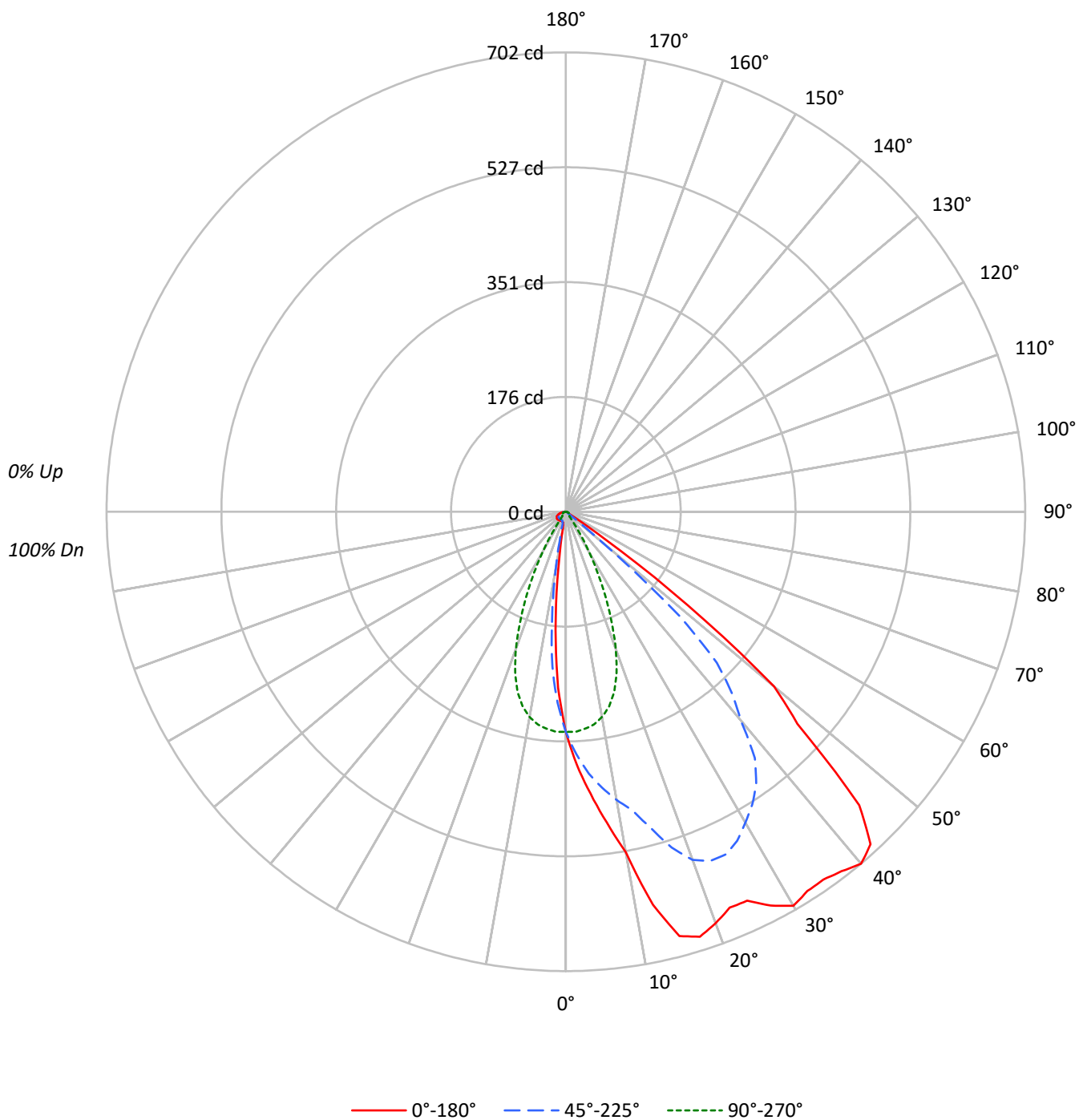
Lumens per Lamp: N/A
Luminaire Lumens: 546.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	57884	57884	57884	57884	57884
5°	74771	69429	57569	40990	31274
10°	92406	78241	55717	15512	4599
15°	119674	89060	50833	3405	3031
20°	122630	103734	40907	2841	2932
25°	124600	109816	27421	2736	2945
30°	138291	109078	14139	2764	3082
35°	144249	106636	3911	2922	3364
40°	157847	93525	1844	3125	3710
45°	154441	79473	1875	3385	4141
50°	111325	19613	2063	3724	4555
55°	21349	1231	2162	4023	5104
60°	1068	1240	2136	4271	5511
65°	1060	1263	2119	4401	5868
70°	1057	1309	2065	4431	5992
75°	998	1397	2063	4458	6188
80°	496	1488	2083	4562	6149
85°	988	988	1976	4150	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 154441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	5.4
10°-20°	80.7	14.8
20°-30°	124.2	22.7
30°-40°	145.7	26.7
40°-50°	116.8	21.4
50°-60°	36.3	6.6
60°-70°	6.9	1.3
70°-80°	4.6	0.8
80°-90°	1.6	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°	234.1	42.9
0°-40°	379.8	69.6
0°-60°	533.0	97.6
0°-90°	546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	546.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	336	336	336	336	336	
5°	432	402	333	237	181	44
15°	671	500	285	19	17	184
25°	656	578	144	14	16	310
35°	686	507	19	14	16	434
45°	634	326	8	14	17	454
55°	71	4	7	13	17	113
65°	3	3	5	11	14	2
75°	2	2	3	7	9	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°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	387.6	383.5	383.5	382.0	380.4	380.9	376.8	378.4	374.2	371.2	368.6
5°	432.5	427.3	426.8	424.2	421.7	419.6	414.5	411.4	405.2	401.6	393.8
7.5°	478.9	474.8	472.2	469.1	464.5	459.3	450.5	444.9	435.1	425.3	415.5
10°	528.4	524.8	519.1	515.5	502.6	494.4	482.5	474.8	460.3	447.4	432.5
12.5°	615.0	612.9	602.1	594.9	576.3	559.8	534.0	513.4	487.7	466.5	446.4
15°	671.2	668.6	662.9	656.2	644.4	625.8	602.6	573.7	537.7	499.5	465.5
17.5°	681.0	681.5	677.9	676.3	668.6	656.7	638.2	616.5	580.4	538.2	491.8
20°	669.1	673.2	672.2	675.3	676.8	672.2	659.8	638.7	607.2	566.0	513.9
22.5°	654.7	658.3	657.3	662.9	671.7	676.3	672.2	655.2	623.2	577.4	526.3
25°	655.7	658.3	650.6	654.2	665.5	676.8	677.4	662.4	627.9	577.9	525.3
27.5°	678.4	670.7	653.1	651.6	665.5	679.9	681.0	662.4	621.2	567.0	515.0
30°	695.4	689.7	670.1	667.6	681.0	690.8	685.6	656.7	605.2	548.5	500.0
32.5°	687.2	688.2	679.9	688.2	705.7	709.8	688.2	643.3	583.0	530.4	482.5
35°	686.1	690.2	694.9	707.8	719.6	709.8	675.3	618.1	559.3	507.2	455.2
37.5°	692.3	699.0	705.7	717.0	717.0	691.8	641.3	586.1	531.0	474.3	398.5
40°	702.1	706.2	708.3	707.3	693.3	656.2	602.6	547.5	494.9	416.0	360.8
42.5°	689.2	688.7	686.6	677.9	652.1	603.6	553.6	508.8	425.8	375.3	312.4
45°	634.1	634.1	628.4	614.5	590.8	550.5	506.2	440.7	388.2	326.3	232.0
47.5°	479.9	476.3	482.5	490.7	490.7	487.1	446.9	390.2	336.6	235.6	74.2
50°	415.5	409.8	402.1	403.6	402.6	406.7	380.9	338.2	249.0	73.2	5.2
52.5°	235.1	245.4	270.6	306.2	322.2	327.9	311.9	257.2	84.0	4.6	4.1
55°	71.1	73.2	83.0	102.1	138.7	177.3	179.9	83.5	5.7	4.1	4.1
57.5°	3.1	3.1	4.1	6.2	14.4	21.7	23.2	5.2	3.6	4.1	4.1
60°	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6	3.6	4.1
62.5°	2.6	2.6	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6
65°	2.6	2.6	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.1	3.6
67.5°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	3.1	3.1	3.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6
72.5°	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.1
77.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
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°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	365.0	360.8	356.2	336.6	317.5	291.8	274.2	269.1
5°	387.1	380.4	370.1	333.0	288.2	237.1	195.9	180.9
7.5°	405.7	395.4	380.9	327.9	253.1	160.8	103.6	87.6
10°	419.1	406.2	387.6	318.6	206.7	88.7	35.1	26.3
12.5°	430.4	413.4	391.3	304.7	150.5	36.1	18.0	18.0
15°	438.2	417.5	392.8	285.1	97.4	19.1	17.0	17.0
17.5°	449.0	422.2	392.8	257.7	53.1	16.5	16.5	16.5
20°	466.5	426.8	387.1	223.2	29.4	15.5	16.0	16.0
22.5°	475.8	433.5	379.9	183.0	18.6	14.9	15.5	15.5
25°	477.9	432.5	364.5	144.3	14.9	14.4	14.9	15.5
27.5°	470.6	425.3	343.8	105.2	13.4	13.9	14.9	15.5
30°	457.8	407.8	310.8	71.1	12.4	13.9	14.9	15.5
32.5°	433.5	365.5	272.2	42.8	11.9	13.9	14.9	16.0
35°	379.4	321.2	227.8	18.6	11.3	13.9	15.5	16.0
37.5°	340.2	276.8	176.3	9.3	11.3	13.9	15.5	16.5
40°	296.9	222.7	81.4	8.2	11.3	13.9	15.5	16.5
42.5°	226.3	103.1	9.8	8.2	10.8	13.9	16.0	16.5
45°	82.5	10.8	5.2	7.7	10.8	13.9	16.0	17.0
47.5°	6.2	4.1	4.6	7.7	10.8	13.9	16.0	17.0
50°	4.1	4.1	4.6	7.7	10.8	13.9	16.0	17.0
52.5°	4.1	4.6	4.6	7.2	10.3	13.9	16.0	17.0
55°	4.1	4.6	4.6	7.2	10.3	13.4	16.0	17.0
57.5°	4.1	4.1	4.6	6.7	9.8	12.9	16.0	16.5
60°	4.1	4.1	4.6	6.2	9.3	12.4	14.9	16.0
62.5°	4.1	4.1	4.1	5.7	8.8	11.9	14.4	15.5
65°	3.6	3.6	4.1	5.2	7.7	10.8	13.4	14.4
67.5°	3.1	3.6	3.6	4.6	7.2	9.8	12.4	13.4
70°	3.1	3.1	3.1	4.1	6.2	8.8	11.3	11.9
72.5°	2.6	2.6	3.1	3.6	5.7	7.7	10.3	10.8
75°	2.1	2.6	2.6	3.1	4.6	6.7	8.8	9.3
77.5°	2.1	2.1	2.1	2.6	4.1	5.7	7.2	7.7
80°	1.5	1.5	1.5	2.1	3.1	4.6	5.7	6.2
82.5°	1.0	1.5	1.5	1.5	2.6	3.1	4.1	4.6
85°	1.0	1.0	1.0	1.0	1.5	2.1	2.6	3.1
87.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)