

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: P1308194

Luminaire Tested: P3SQAS17R409030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

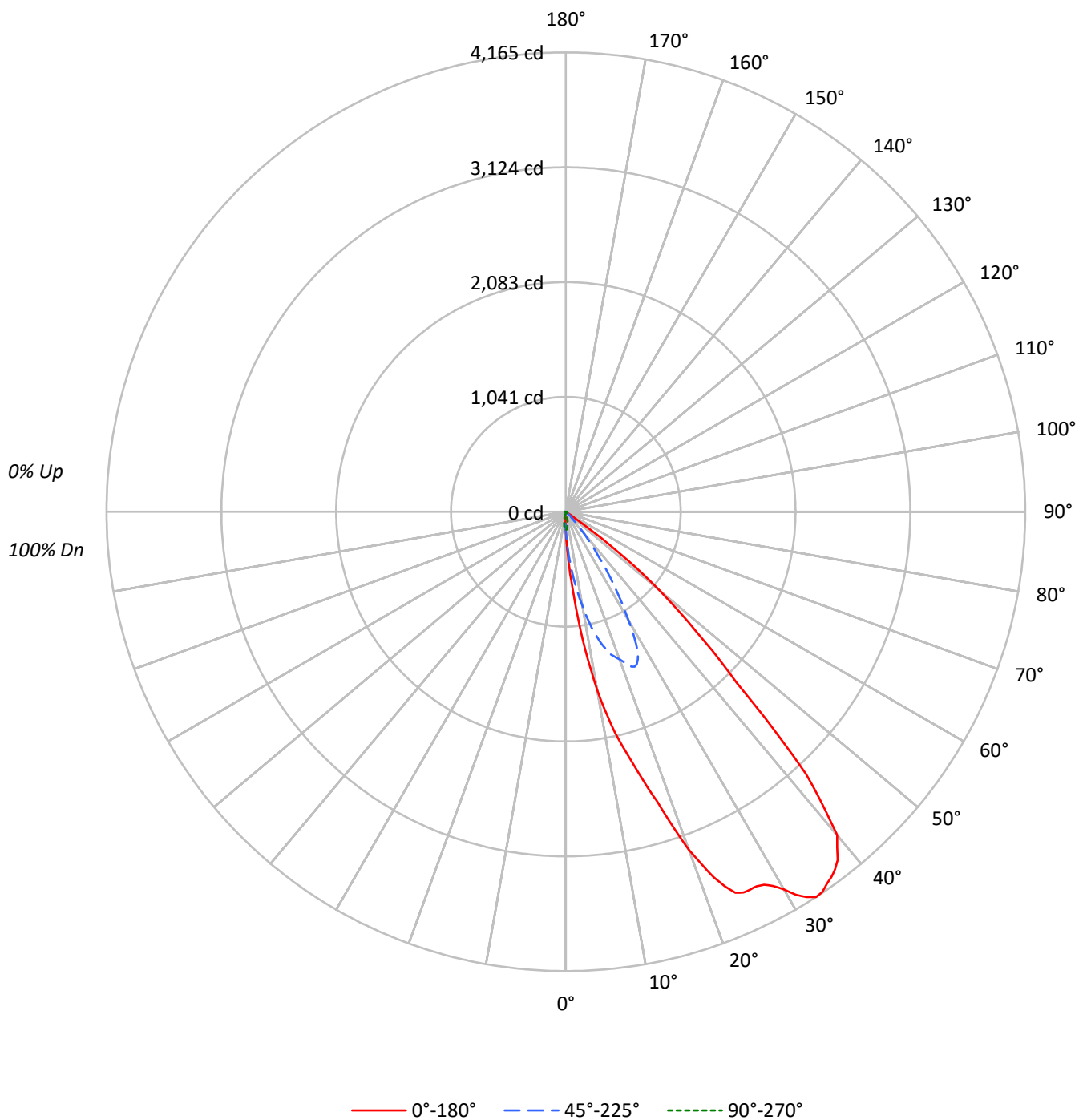
Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1308194

CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1308194

CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	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	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28158	28158	28158	28158	28158
5°	119530	81461	24705	4443	2230
10°	287292	151533	15302	455	0
15°	422834	220145	6419	0	0
20°	597698	260984	2364	0	0
25°	723926	289677	0	0	0
30°	786036	226587	0	0	0
35°	866735	132644	0	0	0
40°	860254	53845	0	0	0
45°	532762	15685	0	0	0
50°	296653	348	0	0	0
55°	29005	0	0	0	0
60°	0	0	448	0	0
65°	0	0	530	0	0
70°	0	655	1309	0	0
75°	0	865	1730	0	0
80°	0	1289	2579	0	0
85°	0	2569	5138	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 535271 cd/sqm

TEST NUMBER: P1308194

CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	2.2
10°-20°	180.2	12.9
20°-30°	411.3	29.4
30°-40°	485.7	34.7
40°-50°	259.5	18.6
50°-60°	28.2	2.0
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	0.9	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°	622.2	44.5
0°-40°	1107.8	79.2
0°-60°	1395.5	99.8
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	164	164	164	164	164	
5°	691	471	143	26	13	97
15°	2372	1235	36	0	0	704
25°	3810	1524	0	0	0	1730
35°	4122	631	0	0	0	2546
45°	2187	64	0	0	0	1804
55°	97	0	0	0	0	271
65°	0	0	1	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308194

CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
2.5°	381.1	373.4	378.5	368.2	368.2	345.0	346.3	327.0	298.7	227.9	162.2
5°	691.4	722.3	697.8	665.6	647.6	624.4	593.5	561.3	471.2	284.5	142.9
7.5°	1157.4	1154.9	1113.7	1078.9	1039.0	977.2	919.3	840.7	670.8	325.7	118.4
10°	1642.8	1633.8	1587.5	1557.8	1481.9	1393.1	1274.6	1148.4	866.5	339.9	87.5
12.5°	2047.1	2035.5	1996.9	1946.7	1863.0	1751.0	1623.5	1457.4	1072.5	324.4	56.6
15°	2371.5	2369.0	2331.6	2263.4	2175.8	2066.4	1922.2	1722.6	1234.7	284.5	36.0
17.5°	2756.5	2771.9	2705.0	2631.6	2505.4	2352.2	2175.8	1948.0	1354.4	235.6	23.2
20°	3261.2	3239.3	3177.5	3070.6	2949.6	2765.5	2515.7	2190.0	1424.0	182.8	12.9
21°	3415.7	3406.7	3342.3	3243.2	3109.3	2922.6	2665.1	2313.6	1456.1	163.5	10.3
22°	3572.8	3557.3	3507.1	3410.5	3284.4	3073.2	2790.0	2441.1	1497.3	142.9	6.4
23°	3689.9	3683.5	3644.9	3549.6	3419.5	3214.8	2925.2	2559.5	1525.7	123.6	3.9
24°	3780.0	3772.3	3733.7	3661.6	3549.6	3335.9	3061.6	2687.0	1537.2	106.9	1.3
25°	3809.6	3813.5	3790.3	3733.7	3639.7	3426.0	3163.3	2787.4	1524.4	91.4	0.0
26°	3810.9	3822.5	3805.8	3773.6	3696.4	3498.1	3258.6	2846.6	1490.9	77.2	0.0
27°	3810.9	3822.5	3805.8	3781.3	3705.4	3539.3	3310.1	2853.1	1439.4	65.7	0.0
28°	3829.0	3835.4	3813.5	3783.9	3701.5	3552.2	3324.3	2814.4	1357.0	56.6	0.0
29°	3879.2	3872.7	3836.7	3796.8	3697.6	3552.2	3281.8	2741.0	1254.0	47.6	0.0
30°	3952.6	3952.6	3895.9	3832.8	3715.7	3550.9	3213.5	2608.4	1139.4	38.6	0.0
31°	4051.7	4042.7	3986.0	3892.0	3754.3	3550.9	3113.1	2461.7	1033.8	33.5	0.0
32°	4118.6	4113.5	4059.4	3948.7	3817.4	3550.9	3005.0	2299.4	919.3	27.0	0.0
33°	4165.0	4154.7	4092.9	3978.3	3856.0	3532.8	2884.0	2125.6	816.3	21.9	0.0
34°	4158.6	4156.0	4091.6	3973.2	3848.3	3458.2	2743.6	1932.5	721.0	18.0	0.0
35°	4122.5	4122.5	4044.0	3921.7	3792.9	3348.7	2604.6	1767.7	630.9	12.9	0.0
36°	4095.5	4085.2	3996.3	3859.9	3700.2	3176.2	2398.6	1601.6	534.3	10.3	0.0
37°	4055.6	4036.2	3937.1	3790.3	3568.9	2989.5	2182.3	1453.6	451.9	6.4	0.0
38°	4004.1	3974.4	3853.4	3709.2	3424.7	2774.5	1962.1	1287.5	375.9	3.9	0.0
39°	3910.1	3885.6	3760.7	3604.9	3252.2	2547.9	1748.4	1131.7	303.8	1.3	0.0
40°	3826.4	3783.9	3642.3	3463.3	3050.0	2291.7	1536.0	978.5	239.5	0.0	0.0
42.5°	3226.4	3181.4	3149.2	2971.5	2429.5	1645.4	1072.5	627.0	124.9	0.0	0.0
45°	2187.4	2197.7	2097.3	1977.6	1602.9	1072.5	670.8	348.9	64.4	0.0	0.0
47.5°	1595.2	1568.1	1431.7	1205.1	939.9	627.0	350.2	168.7	25.7	0.0	0.0
50°	1107.2	1055.7	932.1	762.2	511.1	298.7	154.5	78.5	1.3	0.0	0.0
52.5°	601.3	565.2	478.9	347.6	212.4	114.6	61.8	32.2	0.0	0.0	0.0
55°	96.6	66.9	69.5	59.2	46.3	33.5	19.3	3.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6



TEST NUMBER: P1308194

CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	2.6
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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CATALOG NUMBER: P3SQAS17R409030DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	163.5	163.5	163.5	163.5
2.5°	109.4	74.7	56.6	48.9
5°	63.1	25.7	14.2	12.9
7.5°	30.9	9.0	5.1	5.1
10°	12.9	2.6	0.0	0.0
12.5°	3.9	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.3	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0
70°	1.3	0.0	0.0	0.0
72.5°	1.3	0.0	0.0	0.0
75°	1.3	0.0	0.0	0.0
77.5°	1.3	0.0	0.0	0.0
80°	1.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.3	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)