

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: P1307819

Luminaire Tested: P3SQAS09R259030DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259030DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

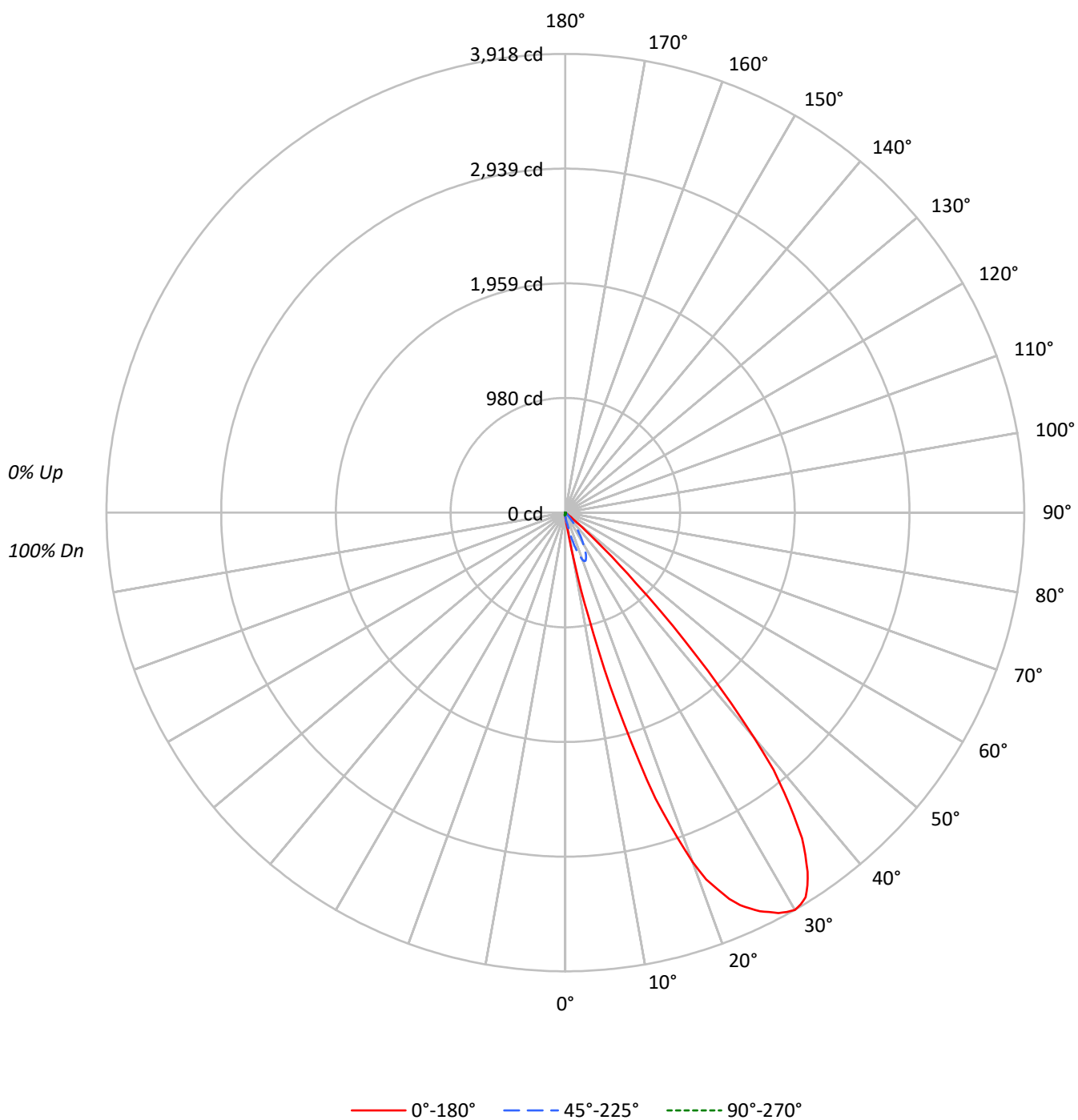
Lumens per Lamp: N/A
Luminaire Lumens: 784.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5787	5787	5787	5787	5787
5°	14539	10753	5446	2783	2144
10°	63569	18292	4477	1277	892
15°	302322	49299	3138	517	392
20°	581973	78955	2016	128	128
25°	708761	79640	1121	0	0
30°	779255	60952	438	0	0
35°	750953	38748	147	0	0
40°	561107	16772	0	0	157
45°	207732	4457	170	170	536
50°	24489	589	402	402	777
55°	2402	0	450	661	1111
60°	241	0	758	999	1274
65°	285	285	1182	1508	1793
70°	352	352	1460	1460	2216
75°	466	466	1464	1464	1930
80°	0	694	2182	1488	2182
85°	0	1383	4347	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 207732 cd/sqm

TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.6
10°-20°	91.4	11.7
20°-30°	286.9	36.6
30°-40°	302.0	38.5
40°-50°	88.7	11.3
50°-60°	4.8	0.6
60°-70°	2.3	0.3
70°-80°	2.0	0.3
80°-90°	1.0	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°	383.2	48.9
0°-40°	685.2	87.4
0°-60°	778.7	99.3
0°-90°	784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	34	34	34	34	34	
5°	84	62	32	16	12	15
15°	1696	276	18	3	2	534
25°	3730	419	6	0	0	1711
35°	3572	184	1	0	0	2155
45°	853	18	1	1	2	775
55°	8	0	2	2	4	20
65°	1	1	3	4	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
2.5°	51.9	52.7	50.5	51.9	50.5	49.7	49.0	45.4	39.5	33.6	27.8
5°	84.1	84.1	80.5	79.7	78.3	75.3	72.4	62.2	44.6	31.5	21.9
7.5°	131.7	130.9	129.5	125.8	118.5	111.2	103.9	81.2	49.0	29.3	16.8
10°	363.5	358.4	351.8	312.3	267.7	228.2	193.8	104.6	52.7	25.6	12.4
12.5°	903.4	874.1	804.6	725.6	624.7	518.6	414.8	170.4	54.1	21.2	8.8
15°	1695.6	1634.9	1526.6	1368.6	1162.3	930.4	732.9	276.5	52.7	17.6	6.6
17.5°	2560.2	2501.7	2351.7	2111.8	1808.2	1452.0	1102.3	366.5	49.0	14.6	4.4
20°	3175.4	3113.2	2972.7	2718.2	2389.8	1915.0	1451.3	430.8	46.1	11.0	2.2
21°	3355.3	3293.1	3144.6	2898.9	2553.6	2077.4	1563.2	441.8	43.9	9.5	1.5
22°	3469.4	3432.8	3273.4	3034.9	2683.1	2207.6	1659.0	446.9	42.4	8.8	1.5
23°	3584.3	3529.4	3380.2	3128.5	2781.8	2304.2	1730.0	443.3	41.0	7.3	0.7
24°	3669.1	3623.0	3449.7	3201.0	2850.6	2363.4	1771.6	433.8	38.8	6.6	0.7
25°	3729.8	3687.4	3506.7	3250.0	2896.7	2395.6	1784.8	419.1	36.6	5.9	0.7
26°	3787.6	3741.5	3554.3	3278.5	2920.8	2405.8	1772.4	403.0	34.4	5.1	0.0
27°	3829.3	3782.5	3587.2	3295.3	2922.3	2393.4	1738.7	381.1	32.2	4.4	0.0
28°	3873.9	3819.8	3609.9	3304.8	2913.5	2364.1	1690.5	357.7	30.7	3.7	0.0
29°	3901.0	3849.8	3633.3	3315.1	2895.2	2315.1	1620.2	329.9	27.1	2.2	0.0
30°	3918.5	3857.8	3631.1	3304.1	2871.1	2262.5	1536.1	306.5	23.4	2.2	0.0
31°	3903.9	3840.3	3607.7	3273.4	2832.3	2193.7	1449.8	277.2	19.0	1.5	0.0
32°	3872.5	3797.1	3566.7	3220.0	2762.8	2105.2	1360.6	253.1	13.9	1.5	0.0
33°	3795.7	3732.0	3492.8	3148.3	2672.1	1985.2	1244.3	229.7	9.5	0.7	0.0
34°	3699.1	3635.5	3391.9	3052.5	2550.7	1830.2	1103.1	205.5	8.0	0.7	0.0
35°	3571.8	3508.9	3277.8	2918.6	2389.8	1643.6	957.5	184.3	6.6	0.7	0.0
36°	3438.0	3354.6	3133.7	2776.0	2174.0	1431.5	801.7	160.2	5.1	0.7	0.0
37°	3241.2	3184.9	2939.8	2558.7	1940.6	1228.2	688.3	138.3	3.7	0.7	0.0
38°	3037.1	2985.2	2746.0	2340.0	1680.2	1027.0	576.4	117.0	2.9	0.0	0.0
39°	2826.4	2740.1	2503.9	2059.9	1407.4	860.2	485.0	98.0	1.5	0.0	0.0
40°	2495.8	2430.0	2177.6	1723.4	1164.5	697.1	413.3	74.6	1.5	0.0	0.0
42.5°	1654.6	1593.2	1328.4	934.8	618.8	407.4	272.8	29.3	0.0	0.7	0.0
45°	852.9	814.1	661.3	489.4	351.1	250.2	175.6	18.3	0.0	0.7	0.7
47.5°	338.7	332.1	299.9	258.9	199.7	148.5	95.8	8.0	0.0	0.7	0.7
50°	91.4	92.2	86.3	79.7	72.4	68.0	40.2	2.2	0.0	1.5	0.7
52.5°	38.8	39.5	38.0	35.8	32.2	24.1	16.1	0.7	0.7	1.5	1.5
55°	8.0	8.8	9.5	10.2	11.7	10.2	6.6	0.0	0.7	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	2.2	2.2	1.5	0.0	0.7	1.5	2.2
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5	2.2	2.2
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.9	2.9
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.9
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.9
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	2.2
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.2	1.5



TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	2.2	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	33.6	33.6	33.6
2.5°	23.4	21.2	20.5
5°	16.1	13.9	12.4
7.5°	11.0	8.8	8.0
10°	7.3	5.9	5.1
12.5°	5.1	2.9	2.9
15°	2.9	2.2	2.2
17.5°	1.5	0.7	0.7
20°	0.7	0.7	0.7
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.7
39°	0.0	0.7	0.7
40°	0.0	0.7	0.7
42.5°	0.0	0.7	1.5
45°	0.7	1.5	2.2
47.5°	1.5	2.2	2.9
50°	1.5	2.9	2.9
52.5°	2.2	2.9	3.7
55°	2.2	3.7	3.7
57.5°	2.9	3.7	4.4
60°	2.9	3.7	3.7
62.5°	2.9	4.4	4.4
65°	3.7	4.4	4.4
67.5°	3.7	4.4	4.4
70°	2.9	3.7	4.4
72.5°	2.9	3.7	3.7
75°	2.2	2.9	2.9
77.5°	2.2	2.2	2.9
80°	1.5	2.2	2.2



TEST NUMBER: P1307819

CATALOG NUMBER: P3SQAS09R259030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.7	0.7	0.7
87.5°	0.7	0.7	0.7
90°	0.0	0.0	0.0

(END OF REPORT)