

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: P1306701

Luminaire Tested: P3SQAS09R259027DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306701
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: P3SQAS09R259027DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

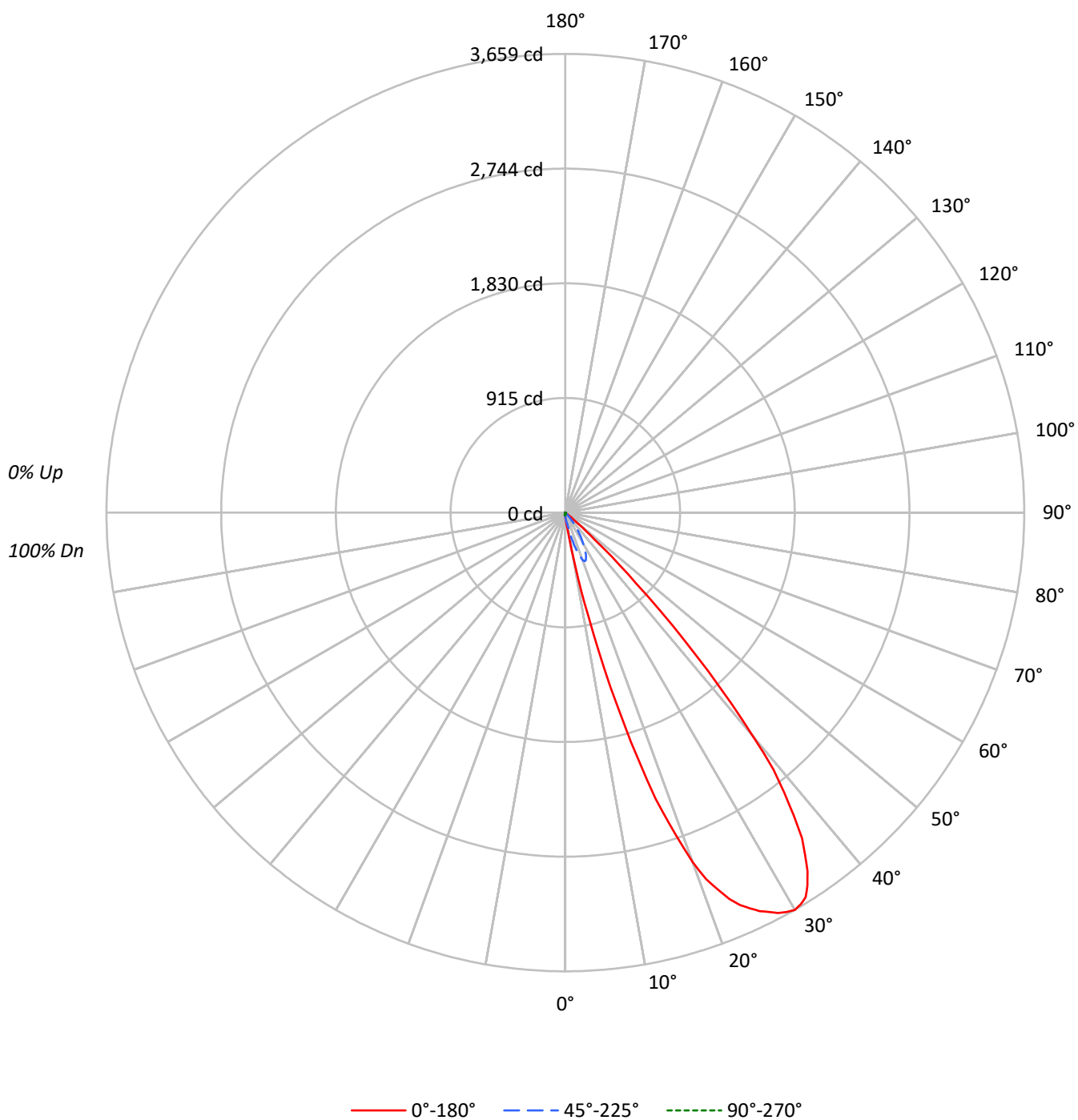
Lumens per Lamp: N/A
Luminaire Lumens: 732.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

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	0
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°	5408	5408	5408	5408	5408
5°	13571	10044	5083	2593	2005
10°	59354	17086	4180	1189	839
15°	282264	46037	2924	481	357
20°	543375	73732	1869	128	128
25°	661749	74357	1045	0	0
30°	727570	56915	398	0	0
35°	701146	36183	147	0	0
40°	523900	15670	0	0	157
45°	193947	4165	170	170	487
50°	22881	536	375	375	723
55°	2252	0	420	601	1021
60°	241	0	689	930	1171
65°	285	285	1100	1386	1671
70°	352	352	1360	1360	2065
75°	466	466	1331	1331	1797
80°	0	694	1984	1389	1984
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 193947 cd/sqm

TEST NUMBER: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.6
10°-20°	85.3	11.7
20°-30°	267.9	36.6
30°-40°	282.0	38.5
40°-50°	82.8	11.3
50°-60°	4.4	0.6
60°-70°	2.1	0.3
70°-80°	1.8	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°	357.8	48.9
0°-40°	639.8	87.4
0°-60°	727.0	99.3
0°-90°	732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	78	58	29	15	12	14
15°	1583	258	16	3	2	499
25°	3482	391	6	0	0	1597
35°	3335	172	1	0	0	2012
45°	796	17	1	1	2	724
55°	8	0	1	2	3	19
65°	1	1	3	3	4	1
75°	1	1	2	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	48.5	49.2	47.1	48.5	47.1	46.4	45.8	42.3	36.9	31.4	26.0
5°	78.5	78.5	75.1	74.4	73.1	70.3	67.6	58.1	41.7	29.4	20.5
7.5°	122.9	122.3	120.9	117.5	110.6	103.8	97.0	75.8	45.8	27.3	15.7
10°	339.4	334.7	328.5	291.6	250.0	213.1	181.0	97.7	49.2	23.9	11.6
12.5°	843.5	816.1	751.3	677.5	583.3	484.2	387.2	159.1	50.5	19.8	8.2
15°	1583.1	1526.4	1425.3	1277.8	1085.2	868.7	684.3	258.2	49.2	16.4	6.1
17.5°	2390.4	2335.7	2195.7	1971.7	1688.3	1355.7	1029.2	342.2	45.8	13.7	4.1
20°	2964.8	2906.7	2775.6	2537.9	2231.2	1788.0	1355.0	402.3	43.0	10.2	2.0
21°	3132.8	3074.7	2936.1	2706.6	2384.2	1939.6	1459.5	412.5	41.0	8.9	1.4
22°	3239.3	3205.2	3056.3	2833.6	2505.1	2061.2	1549.0	417.3	39.6	8.2	1.4
23°	3346.5	3295.3	3156.0	2921.0	2597.3	2151.3	1615.2	413.9	38.2	6.8	0.7
24°	3425.8	3382.7	3220.9	2988.7	2661.5	2206.7	1654.1	405.0	36.2	6.1	0.7
25°	3482.4	3442.8	3274.1	3034.4	2704.5	2236.7	1666.4	391.3	34.1	5.5	0.7
26°	3536.4	3493.4	3318.5	3061.1	2727.1	2246.3	1654.8	376.3	32.1	4.8	0.0
27°	3575.3	3531.6	3349.3	3076.8	2728.4	2234.7	1623.4	355.8	30.1	4.1	0.0
28°	3617.0	3566.4	3370.4	3085.6	2720.3	2207.3	1578.3	334.0	28.7	3.4	0.0
29°	3642.3	3594.4	3392.3	3095.2	2703.2	2161.6	1512.8	308.0	25.3	2.0	0.0
30°	3658.6	3602.0	3390.2	3085.0	2680.6	2112.4	1434.2	286.2	21.9	2.0	0.0
31°	3645.0	3585.6	3368.4	3056.3	2644.4	2048.2	1353.6	258.8	17.8	1.4	0.0
32°	3615.6	3545.3	3330.1	3006.4	2579.6	1965.6	1270.3	236.3	13.0	1.4	0.0
33°	3543.9	3484.5	3261.2	2939.5	2494.9	1853.6	1161.7	214.5	8.9	0.7	0.0
34°	3453.8	3394.3	3166.9	2850.0	2381.5	1708.8	1029.9	191.9	7.5	0.7	0.0
35°	3334.9	3276.2	3060.4	2725.0	2231.2	1534.6	894.0	172.1	6.1	0.7	0.0
36°	3209.9	3132.1	2925.8	2591.9	2029.8	1336.6	748.5	149.6	4.8	0.7	0.0
37°	3026.2	2973.6	2744.8	2389.0	1811.9	1146.7	642.7	129.1	3.4	0.7	0.0
38°	2835.7	2787.2	2563.9	2184.8	1568.8	958.9	538.2	109.3	2.7	0.0	0.0
39°	2639.0	2558.4	2337.8	1923.2	1314.0	803.2	452.8	91.5	1.4	0.0	0.0
40°	2330.3	2268.8	2033.2	1609.1	1087.3	650.9	385.9	69.7	1.4	0.0	0.0
42.5°	1544.9	1487.5	1240.3	872.8	577.8	380.4	254.7	27.3	0.0	0.7	0.0
45°	796.3	760.1	617.4	456.9	327.8	233.6	163.9	17.1	0.0	0.7	0.7
47.5°	316.2	310.1	280.0	241.8	186.4	138.6	89.5	7.5	0.0	0.7	0.7
50°	85.4	86.1	80.6	74.4	67.6	63.5	37.6	2.0	0.0	1.4	0.7
52.5°	36.2	36.9	35.5	33.5	30.1	22.5	15.0	0.7	0.7	1.4	1.4
55°	7.5	8.2	8.9	9.6	10.9	9.6	6.1	0.0	0.7	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	2.0	2.0	1.4	0.0	0.7	1.4	2.0
60°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	2.0	2.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	2.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.7	2.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	2.0	1.4



TEST NUMBER: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 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	1.4	2.0	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.0	1.4
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: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	31.4	31.4	31.4
2.5°	21.9	19.8	19.1
5°	15.0	13.0	11.6
7.5°	10.2	8.2	7.5
10°	6.8	5.5	4.8
12.5°	4.8	2.7	2.7
15°	2.7	2.0	2.0
17.5°	1.4	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	1.4
45°	0.7	1.4	2.0
47.5°	1.4	2.0	2.7
50°	1.4	2.7	2.7
52.5°	2.0	2.7	3.4
55°	2.0	3.4	3.4
57.5°	2.7	3.4	4.1
60°	2.7	3.4	3.4
62.5°	2.7	4.1	4.1
65°	3.4	4.1	4.1
67.5°	3.4	4.1	4.1
70°	2.7	3.4	4.1
72.5°	2.7	3.4	3.4
75°	2.0	2.7	2.7
77.5°	2.0	2.0	2.7
80°	1.4	2.0	2.0

TEST NUMBER: P1306701

CATALOG NUMBER: P3SQAS09R259027DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.4	1.4	1.4
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)