

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: P1312250

Luminaire Tested: P3SQAS09R259727DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312250
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: P3SQAS09R259727DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

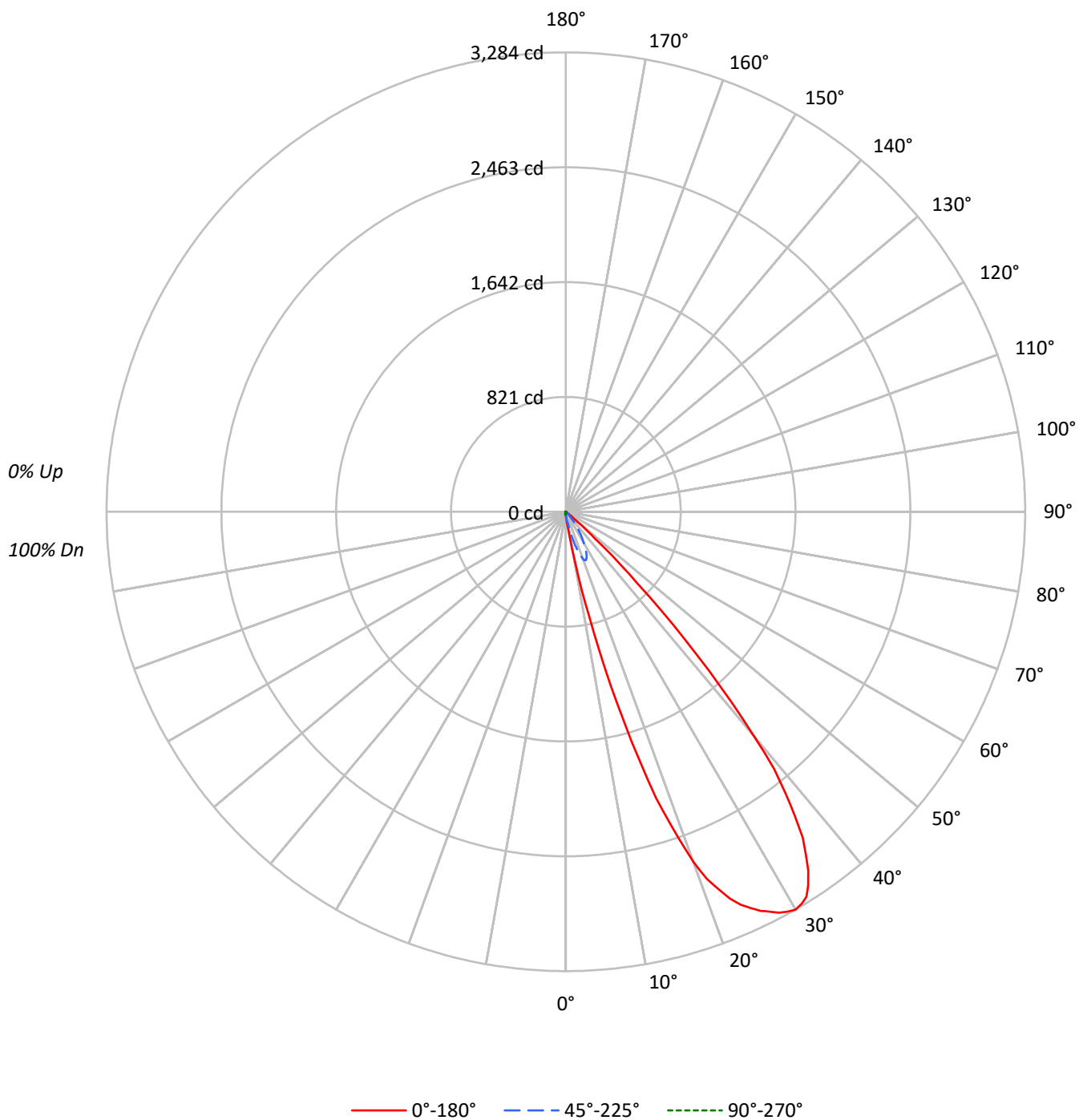
Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 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°	4857	4857	4857	4857	4857
5°	12188	9007	4564	2334	1798
10°	53286	15337	3760	1067	752
15°	253344	41312	2621	446	321
20°	487696	66181	1686	110	110
25°	593947	66737	931	0	0
30°	653035	51069	358	0	0
35°	629305	32483	126	0	0
40°	470212	14051	0	0	135
45°	174072	3726	146	146	438
50°	20524	482	322	322	670
55°	2012	0	360	540	931
60°	207	0	620	861	1068
65°	245	245	1019	1263	1508
70°	302	302	1259	1259	1863
75°	399	399	1198	1198	1664
80°	0	595	1785	1190	1785
85°	0	1186	3557	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 174072 cd/sqm

TEST NUMBER: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.6
10°-20°	76.6	11.7
20°-30°	240.4	36.6
30°-40°	253.1	38.5
40°-50°	74.3	11.3
50°-60°	4.0	0.6
60°-70°	1.9	0.3
70°-80°	1.7	0.3
80°-90°	0.8	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°	321.1	48.9
0°-40°	574.2	87.4
0°-60°	652.5	99.3
0°-90°	657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	70	52	26	14	10	13
15°	1421	232	15	2	2	448
25°	3126	351	5	0	0	1434
35°	2993	154	1	0	0	1806
45°	715	15	1	1	2	650
55°	7	0	1	2	3	17
65°	1	1	2	3	4	1
75°	1	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
2.5°	43.5	44.1	42.3	43.5	42.3	41.7	41.1	38.0	33.1	28.2	23.3
5°	70.5	70.5	67.4	66.8	65.6	63.1	60.7	52.1	37.4	26.4	18.4
7.5°	110.3	109.7	108.5	105.4	99.3	93.2	87.0	68.0	41.1	24.5	14.1
10°	304.7	300.4	294.8	261.7	224.4	191.3	162.4	87.7	44.1	21.5	10.4
12.5°	757.0	732.5	674.3	608.1	523.5	434.6	347.6	142.8	45.4	17.8	7.4
15°	1420.9	1370.0	1279.3	1146.9	974.0	779.7	614.2	231.7	44.1	14.7	5.5
17.5°	2145.5	2096.4	1970.8	1769.7	1515.3	1216.8	923.8	307.1	41.1	12.3	3.7
20°	2661.0	2608.9	2491.2	2277.9	2002.6	1604.8	1216.2	361.1	38.6	9.2	1.8
21°	2811.8	2759.7	2635.2	2429.3	2139.9	1740.9	1310.0	370.2	36.8	8.0	1.2
22°	2907.4	2876.8	2743.1	2543.3	2248.4	1850.0	1390.3	374.5	35.6	7.4	1.2
23°	3003.6	2957.7	2832.6	2621.8	2331.2	1930.9	1449.7	371.5	34.3	6.1	0.6
24°	3074.8	3036.1	2890.9	2682.4	2388.8	1980.6	1484.7	363.5	32.5	5.5	0.6
25°	3125.6	3090.1	2938.7	2723.5	2427.4	2007.5	1495.7	351.2	30.6	4.9	0.6
26°	3174.1	3135.4	2978.5	2747.4	2447.7	2016.1	1485.3	337.8	28.8	4.3	0.0
27°	3209.0	3169.8	3006.1	2761.5	2448.9	2005.7	1457.1	319.4	27.0	3.7	0.0
28°	3246.4	3201.0	3025.1	2769.5	2441.5	1981.2	1416.6	299.8	25.7	3.1	0.0
29°	3269.1	3226.2	3044.7	2778.1	2426.2	1940.1	1357.8	276.5	22.7	1.8	0.0
30°	3283.8	3232.9	3042.9	2768.9	2406.0	1896.0	1287.3	256.8	19.6	1.8	0.0
31°	3271.5	3218.2	3023.3	2743.1	2373.5	1838.4	1214.9	232.3	15.9	1.2	0.0
32°	3245.2	3182.0	2988.9	2698.4	2315.3	1764.2	1140.2	212.1	11.6	1.2	0.0
33°	3180.8	3127.5	2927.0	2638.3	2239.3	1663.7	1042.7	192.5	8.0	0.6	0.0
34°	3099.9	3046.6	2842.4	2558.0	2137.5	1533.7	924.4	172.3	6.7	0.6	0.0
35°	2993.2	2940.5	2746.8	2445.8	2002.6	1377.4	802.4	154.5	5.5	0.6	0.0
36°	2881.0	2811.2	2626.0	2326.3	1821.8	1199.6	671.8	134.2	4.3	0.6	0.0
37°	2716.2	2669.0	2463.6	2144.2	1626.3	1029.2	576.8	115.9	3.1	0.6	0.0
38°	2545.1	2501.6	2301.2	1961.0	1408.0	860.6	483.0	98.1	2.5	0.0	0.0
39°	2368.6	2296.3	2098.3	1726.2	1179.4	720.9	406.4	82.1	1.2	0.0	0.0
40°	2091.5	2036.4	1824.9	1444.2	975.9	584.2	346.3	62.5	1.2	0.0	0.0
42.5°	1386.6	1335.1	1113.2	783.4	518.6	341.4	228.6	24.5	0.0	0.6	0.0
45°	714.7	682.3	554.1	410.1	294.2	209.6	147.1	15.3	0.0	0.6	0.6
47.5°	283.8	278.3	251.3	217.0	167.3	124.4	80.3	6.7	0.0	0.6	0.6
50°	76.6	77.2	72.3	66.8	60.7	57.0	33.7	1.8	0.0	1.2	0.6
52.5°	32.5	33.1	31.9	30.0	27.0	20.2	13.5	0.6	0.6	1.2	1.2
55°	6.7	7.4	8.0	8.6	9.8	8.6	5.5	0.0	0.6	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.8	1.8	1.2	0.0	0.6	1.2	1.8
60°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.8	1.8
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.8	2.5
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	2.5	2.5
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.5	2.5
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.5	2.5
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	2.5	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2	1.8	1.2



TEST NUMBER: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 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	0.6	0.6	1.2	1.8	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.2
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: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	28.2	28.2	28.2
2.5°	19.6	17.8	17.2
5°	13.5	11.6	10.4
7.5°	9.2	7.4	6.7
10°	6.1	4.9	4.3
12.5°	4.3	2.5	2.5
15°	2.5	1.8	1.8
17.5°	1.2	0.6	0.6
20°	0.6	0.6	0.6
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	0.6
39°	0.0	0.6	0.6
40°	0.0	0.6	0.6
42.5°	0.0	0.6	1.2
45°	0.6	1.2	1.8
47.5°	1.2	1.8	2.5
50°	1.2	2.5	2.5
52.5°	1.8	2.5	3.1
55°	1.8	3.1	3.1
57.5°	2.5	3.1	3.7
60°	2.5	3.1	3.1
62.5°	2.5	3.7	3.7
65°	3.1	3.7	3.7
67.5°	3.1	3.7	3.7
70°	2.5	3.1	3.7
72.5°	2.5	3.1	3.1
75°	1.8	2.5	2.5
77.5°	1.8	1.8	2.5
80°	1.2	1.8	1.8



TEST NUMBER: P1312250

CATALOG NUMBER: P3SQAS09R259727DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.2	1.2	1.2
85°	0.6	0.6	0.6
87.5°	0.6	0.6	0.6
90°	0.0	0.0	0.0

(END OF REPORT)