

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: P1315385

Luminaire Tested: P3SQAS13R409740DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R409740DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

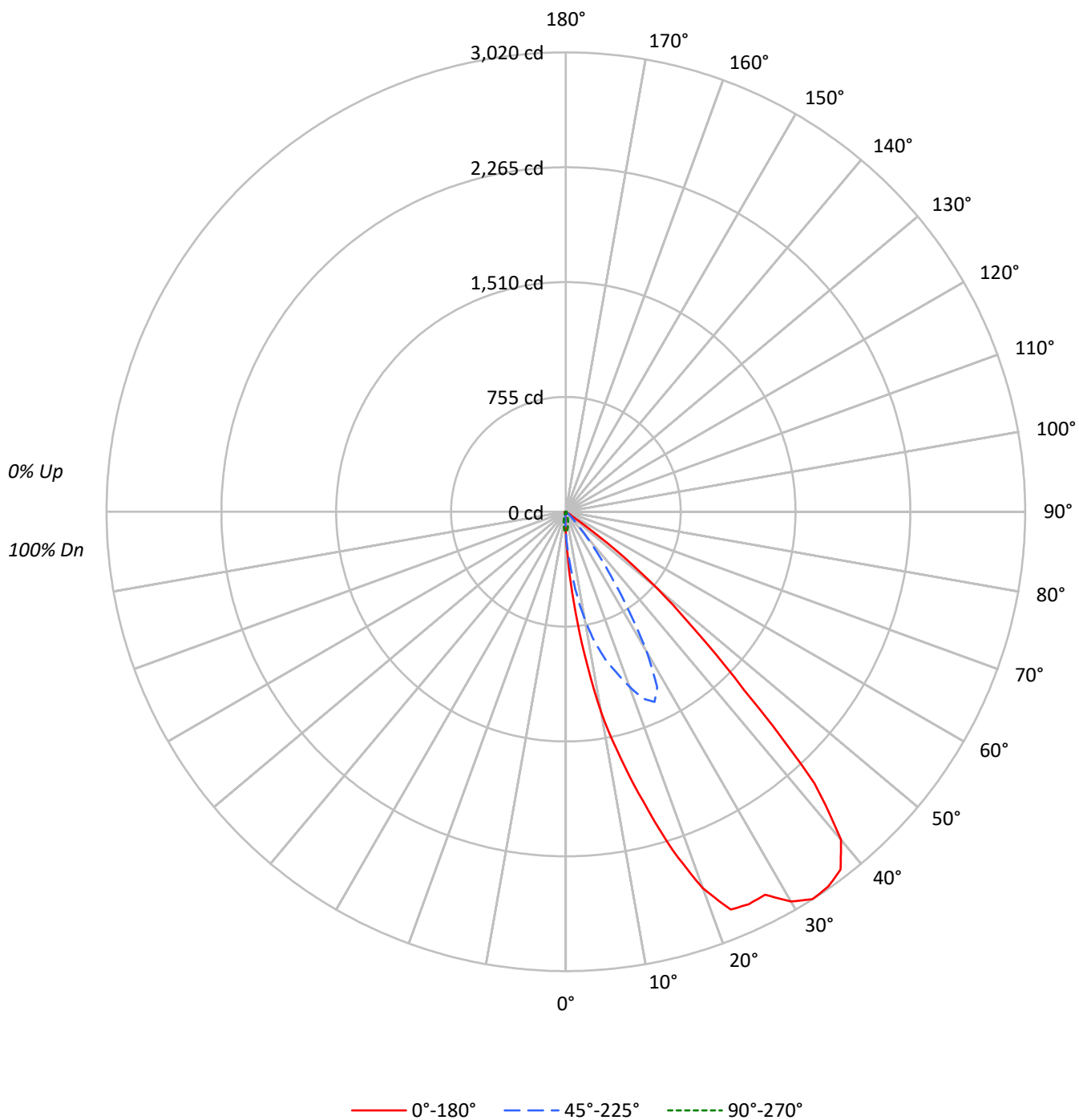
Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1315385

CATALOG NUMBER: P3SQAS13R409740DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315385

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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	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	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22699	22699	22699	22699	22699
5°	102380	65280	20348	7814	5705
10°	234793	126123	14323	2798	2134
15°	352370	178958	8897	1516	1337
20°	482473	224329	5168	861	1026
25°	540873	262104	2679	722	893
30°	588304	211573	1114	557	935
35°	632270	108276	399	799	1177
40°	632488	43188	202	854	1484
45°	403822	14443	463	1364	2070
50°	209629	1768	750	1768	2519
55°	18106	270	841	2252	3123
60°	654	310	964	2583	3582
65°	774	367	1549	2690	3831
70°	453	453	1913	2820	3777
75°	599	599	1863	3127	4392
80°	893	893	2777	2777	3769
85°	0	1778	5533	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 403822 cd/sqm

TEST NUMBER: P1315385

CATALOG NUMBER: P3SQAS13R409740DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	2.3
10°-20°	150.8	13.5
20°-30°	330.2	29.6
30°-40°	376.2	33.8
40°-50°	198.5	17.8
50°-60°	23.4	2.1
60°-70°	4.2	0.4
70°-80°	3.4	0.3
80°-90°	1.6	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°	506.7	45.5
0°-40°	882.9	79.3
0°-60°	1104.7	99.2
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	592	378	118	45	33	80
15°	1976	1004	50	8	8	582
25°	2846	1379	14	4	5	1311
35°	3007	515	2	4	6	1864
45°	1658	59	2	6	8	1337
55°	60	1	3	8	10	187
65°	2	1	4	7	9	2
75°	1	1	3	5	7	1
85°	0	1	3	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1315385

CATALOG NUMBER: P3SQAS13R409740DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
2.5°	293.8	293.8	292.8	284.3	283.4	282.5	267.4	263.6	245.7	233.5	177.9
5°	592.2	579.0	578.1	563.0	537.6	503.7	482.1	447.2	413.3	377.6	219.4
7.5°	943.4	954.7	923.6	907.6	851.1	810.7	748.5	693.9	617.6	546.1	253.3
10°	1342.6	1322.9	1291.8	1260.7	1199.5	1127.0	1034.7	937.8	827.6	721.2	272.1
12.5°	1654.3	1628.9	1610.0	1567.7	1507.4	1414.2	1304.0	1174.1	1028.2	874.7	271.2
15°	1976.3	1950.9	1908.5	1870.8	1781.4	1676.9	1557.3	1385.9	1207.0	1003.7	251.4
17.5°	2330.3	2297.3	2250.3	2192.8	2106.2	1990.4	1838.8	1629.8	1376.5	1109.1	215.6
20°	2632.5	2612.8	2565.7	2497.9	2413.1	2300.2	2125.0	1893.4	1584.6	1224.0	171.4
22.5°	2830.2	2812.4	2780.3	2721.0	2657.0	2536.5	2376.4	2122.2	1758.8	1328.5	129.9
25°	2846.3	2838.7	2830.2	2810.5	2771.9	2686.2	2529.9	2255.9	1867.1	1379.3	96.0
27.5°	2837.8	2835.0	2833.1	2822.7	2797.3	2712.6	2552.5	2275.7	1852.9	1300.3	70.6
30°	2958.3	2949.8	2945.1	2911.2	2844.4	2713.5	2504.5	2169.3	1646.7	1063.9	50.8
32.5°	3019.5	3017.6	3012.9	2980.0	2885.8	2715.4	2423.5	1912.3	1305.9	768.3	34.8
35°	3007.3	2997.8	2980.9	2919.7	2788.8	2575.1	2161.8	1527.2	942.5	515.0	22.6
37.5°	2965.8	2944.2	2911.2	2801.1	2626.9	2335.0	1753.1	1124.2	641.2	333.3	13.2
40°	2813.3	2784.1	2732.3	2597.7	2368.9	1924.5	1296.5	759.8	420.9	192.1	3.8
42.5°	2418.8	2381.1	2343.5	2192.8	1931.1	1434.9	853.0	469.8	240.1	105.5	0.9
45°	1658.0	1611.0	1559.2	1450.0	1240.0	869.0	507.5	264.6	124.3	59.3	0.9
47.5°	1151.5	1129.8	1039.5	900.1	690.1	460.4	262.7	129.9	65.9	27.3	0.9
50°	782.4	757.9	652.5	517.8	367.2	220.3	120.5	65.0	29.2	6.6	0.9
52.5°	410.5	380.4	313.5	239.1	148.8	92.3	52.7	28.2	8.5	0.9	0.9
55°	60.3	55.6	45.2	36.7	33.0	25.4	15.1	6.6	0.9	0.9	1.9
57.5°	1.9	1.9	1.9	1.9	2.8	2.8	1.9	0.9	0.9	0.9	1.9
60°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9
65°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9
67.5°	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.8
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9
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: P1315385

CATALOG NUMBER: P3SQAS13R409740DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	131.8	131.8	131.8	131.8	131.8
2.5°	129.9	96.0	74.4	64.0	63.1
5°	117.7	68.7	45.2	34.8	33.0
7.5°	99.8	48.0	26.4	18.8	17.9
10°	81.9	33.0	16.0	13.2	12.2
12.5°	65.0	21.7	11.3	10.4	9.4
15°	49.9	14.1	8.5	7.5	7.5
17.5°	37.7	9.4	6.6	6.6	6.6
20°	28.2	6.6	4.7	5.6	5.6
22.5°	19.8	4.7	3.8	4.7	4.7
25°	14.1	3.8	3.8	4.7	4.7
27.5°	9.4	2.8	2.8	3.8	4.7
30°	5.6	1.9	2.8	3.8	4.7
32.5°	2.8	1.9	2.8	4.7	4.7
35°	1.9	2.8	3.8	4.7	5.6
37.5°	0.9	2.8	3.8	5.6	5.6
40°	0.9	2.8	3.8	5.6	6.6
42.5°	1.9	3.8	4.7	6.6	7.5
45°	1.9	3.8	5.6	7.5	8.5
47.5°	1.9	3.8	6.6	8.5	8.5
50°	2.8	4.7	6.6	8.5	9.4
52.5°	2.8	4.7	6.6	9.4	10.4
55°	2.8	4.7	7.5	9.4	10.4
57.5°	2.8	5.6	7.5	9.4	10.4
60°	2.8	4.7	7.5	9.4	10.4
62.5°	3.8	4.7	6.6	9.4	9.4
65°	3.8	4.7	6.6	9.4	9.4
67.5°	3.8	4.7	6.6	8.5	8.5
70°	3.8	4.7	5.6	7.5	7.5
72.5°	3.8	4.7	5.6	6.6	7.5
75°	2.8	3.8	4.7	5.6	6.6
77.5°	2.8	3.8	3.8	5.6	5.6
80°	2.8	2.8	2.8	3.8	3.8
82.5°	2.8	2.8	1.9	2.8	2.8
85°	2.8	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)