

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: P1308036

Luminaire Tested: P3SQAS13R409030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308036
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: P3SQAS13R409030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

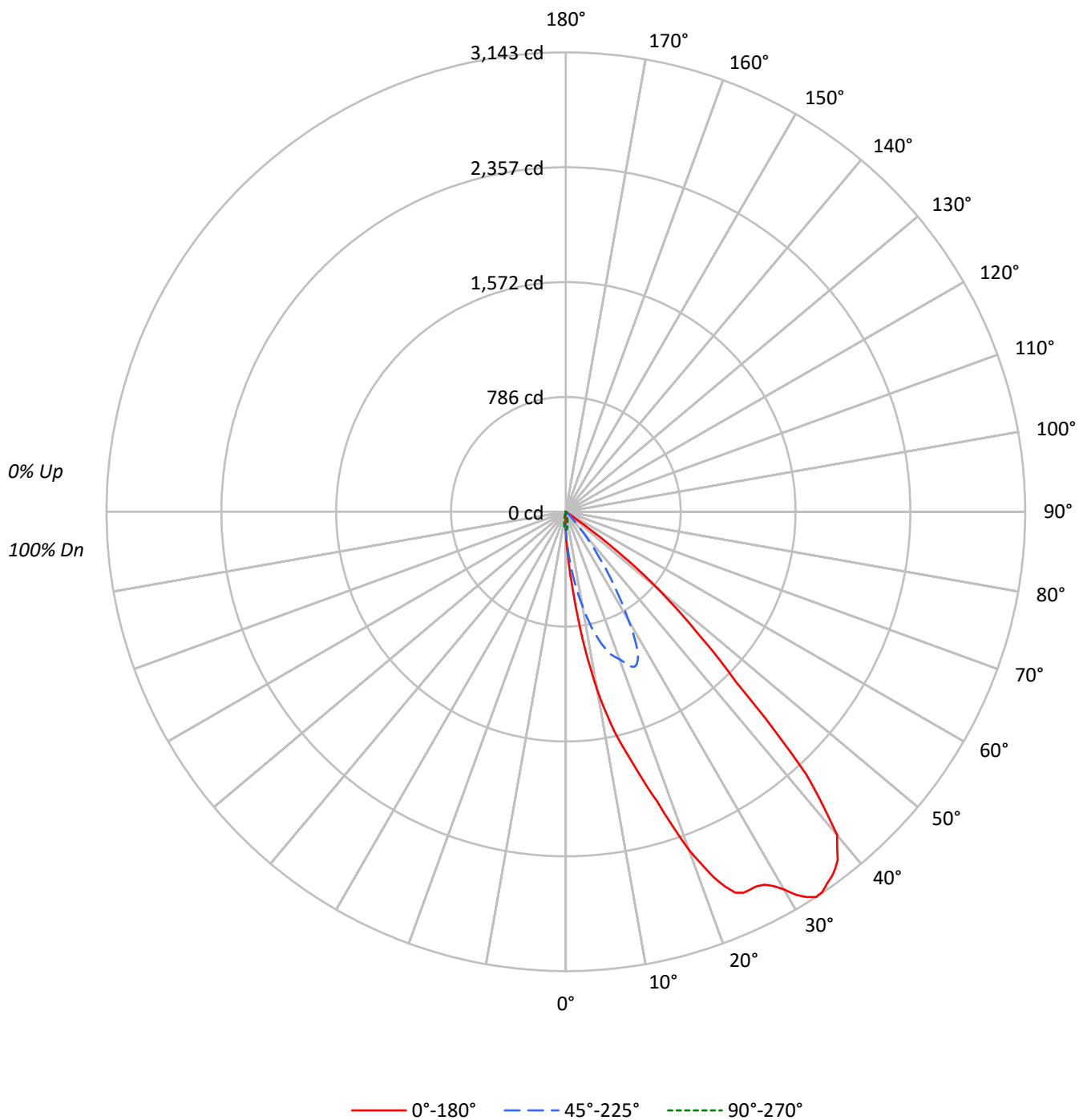
Lumens per Lamp: N/A
Luminaire Lumens: 1055.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

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°	21252	21252	21252	21252	21252
5°	90192	61476	18637	3354	1677
10°	216816	114354	11560	332	0
15°	319100	166138	4850	0	0
20°	451059	196948	1778	0	0
25°	546327	218607	0	0	0
30°	593176	171005	0	0	0
35°	654072	100098	0	0	0
40°	649192	40625	0	0	0
45°	402044	11837	0	0	0
50°	223883	268	0	0	0
55°	21889	0	0	0	0
60°	0	0	344	0	0
65°	0	0	408	0	0
70°	0	504	957	0	0
75°	0	665	1264	0	0
80°	0	992	1884	0	0
85°	0	1976	3754	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 403944 cd/sqm

TEST NUMBER: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	2.2
10°-20°	136.0	12.9
20°-30°	310.4	29.4
30°-40°	366.5	34.7
40°-50°	195.8	18.6
50°-60°	21.3	2.0
60°-70°	0.4	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	469.5	44.5
0°-40°	836.0	79.2
0°-60°	1053.1	99.8
0°-90°	1055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	123	123	123	123	123	
5°	522	356	108	19	10	73
15°	1790	932	27	0	0	532
25°	2875	1150	0	0	0	1305
35°	3111	476	0	0	0	1922
45°	1651	49	0	0	0	1361
55°	73	0	0	0	0	204
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4
2.5°	287.6	281.8	285.6	277.9	277.9	260.4	261.4	246.8	225.4	172.0	122.4
5°	521.7	545.1	526.6	502.3	488.7	471.2	447.9	423.6	355.6	214.7	107.8
7.5°	873.5	871.5	840.4	814.2	784.1	737.4	693.7	634.5	506.2	245.8	89.4
10°	1239.8	1233.0	1198.0	1175.6	1118.3	1051.3	961.9	866.7	653.9	256.5	66.1
12.5°	1544.8	1536.1	1506.9	1469.1	1405.9	1321.4	1225.2	1099.8	809.3	244.8	42.8
15°	1789.7	1787.7	1759.6	1708.1	1642.0	1559.4	1450.6	1300.0	931.8	214.7	27.2
17.5°	2080.2	2091.8	2041.3	1985.9	1890.7	1775.1	1642.0	1470.0	1022.1	177.8	17.5
20°	2461.1	2444.5	2397.9	2317.3	2225.9	2087.0	1898.5	1652.7	1074.6	138.0	9.7
21°	2577.6	2570.8	2522.3	2447.4	2346.4	2205.5	2011.2	1746.0	1098.9	123.4	7.8
22°	2696.2	2684.5	2646.6	2573.8	2478.5	2319.2	2105.4	1842.1	1130.0	107.8	4.9
23°	2784.6	2779.7	2750.6	2678.7	2580.6	2426.1	2207.5	1931.5	1151.3	93.3	2.9
24°	2852.6	2846.8	2817.6	2763.2	2678.7	2517.4	2310.5	2027.7	1160.1	80.6	1.0
25°	2875.0	2877.9	2860.4	2817.6	2746.7	2585.4	2387.2	2103.5	1150.4	69.0	0.0
26°	2875.9	2884.7	2872.0	2847.7	2789.5	2639.8	2459.1	2148.2	1125.1	58.3	0.0
27°	2875.9	2884.7	2872.0	2853.6	2796.3	2670.9	2498.0	2153.1	1086.2	49.6	0.0
28°	2889.5	2894.4	2877.9	2855.5	2793.3	2680.6	2508.7	2123.9	1024.1	42.8	0.0
29°	2927.4	2922.6	2895.4	2865.2	2790.4	2680.6	2476.6	2068.5	946.3	35.9	0.0
30°	2982.8	2982.8	2940.0	2892.4	2804.0	2679.7	2425.1	1968.5	859.9	29.1	0.0
31°	3057.6	3050.8	3008.1	2937.1	2833.2	2679.7	2349.3	1857.7	780.2	25.3	0.0
32°	3108.1	3104.2	3063.4	2979.9	2880.8	2679.7	2267.7	1735.3	693.7	20.4	0.0
33°	3143.1	3135.3	3088.7	3002.2	2909.9	2666.1	2176.4	1604.1	616.0	16.5	0.0
34°	3138.3	3136.3	3087.7	2998.3	2904.1	2609.7	2070.5	1458.4	544.1	13.6	0.0
35°	3111.0	3111.0	3051.8	2959.5	2862.3	2527.1	1965.5	1334.0	476.1	9.7	0.0
36°	3090.6	3082.9	3015.8	2912.8	2792.4	2396.9	1810.1	1208.7	403.2	7.8	0.0
37°	3060.5	3046.0	2971.1	2860.4	2693.3	2256.0	1646.9	1096.9	341.0	4.9	0.0
38°	3021.7	2999.3	2908.0	2799.2	2584.4	2093.8	1480.7	971.6	283.7	2.9	0.0
39°	2950.7	2932.3	2838.0	2720.5	2454.2	1922.8	1319.4	854.0	229.3	1.0	0.0
40°	2887.6	2855.5	2748.6	2613.6	2301.7	1729.4	1159.1	738.4	180.7	0.0	0.0
42.5°	2434.8	2400.8	2376.5	2242.4	1833.4	1241.7	809.3	473.2	94.2	0.0	0.0
45°	1650.7	1658.5	1582.7	1492.4	1209.6	809.3	506.2	263.3	48.6	0.0	0.0
47.5°	1203.8	1183.4	1080.4	909.4	709.3	473.2	264.3	127.3	19.4	0.0	0.0
50°	835.6	796.7	703.4	575.2	385.7	225.4	116.6	59.3	1.0	0.0	0.0
52.5°	453.7	426.5	361.4	262.3	160.3	86.5	46.6	24.3	0.0	0.0	0.0
55°	72.9	50.5	52.5	44.7	35.0	25.3	14.6	2.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	1.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	1.9



TEST NUMBER: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

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	1.0	1.0	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	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: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	123.4	123.4	123.4	123.4
2.5°	82.6	56.4	42.8	36.9
5°	47.6	19.4	10.7	9.7
7.5°	23.3	6.8	3.9	3.9
10°	9.7	1.9	0.0	0.0
12.5°	2.9	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°	1.0	0.0	0.0	0.0
67.5°	1.0	0.0	0.0	0.0
70°	1.0	0.0	0.0	0.0
72.5°	1.0	0.0	0.0	0.0
75°	1.0	0.0	0.0	0.0
77.5°	1.0	0.0	0.0	0.0
80°	1.0	0.0	0.0	0.0



TEST NUMBER: P1308036

CATALOG NUMBER: P3SQAS13R409030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.0	0.0	0.0	0.0
85°	1.0	0.0	0.0	0.0
87.5°	1.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)