

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: P1309155

Luminaire Tested: P3SQAS13R409035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309155
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: P3SQAS13R409035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

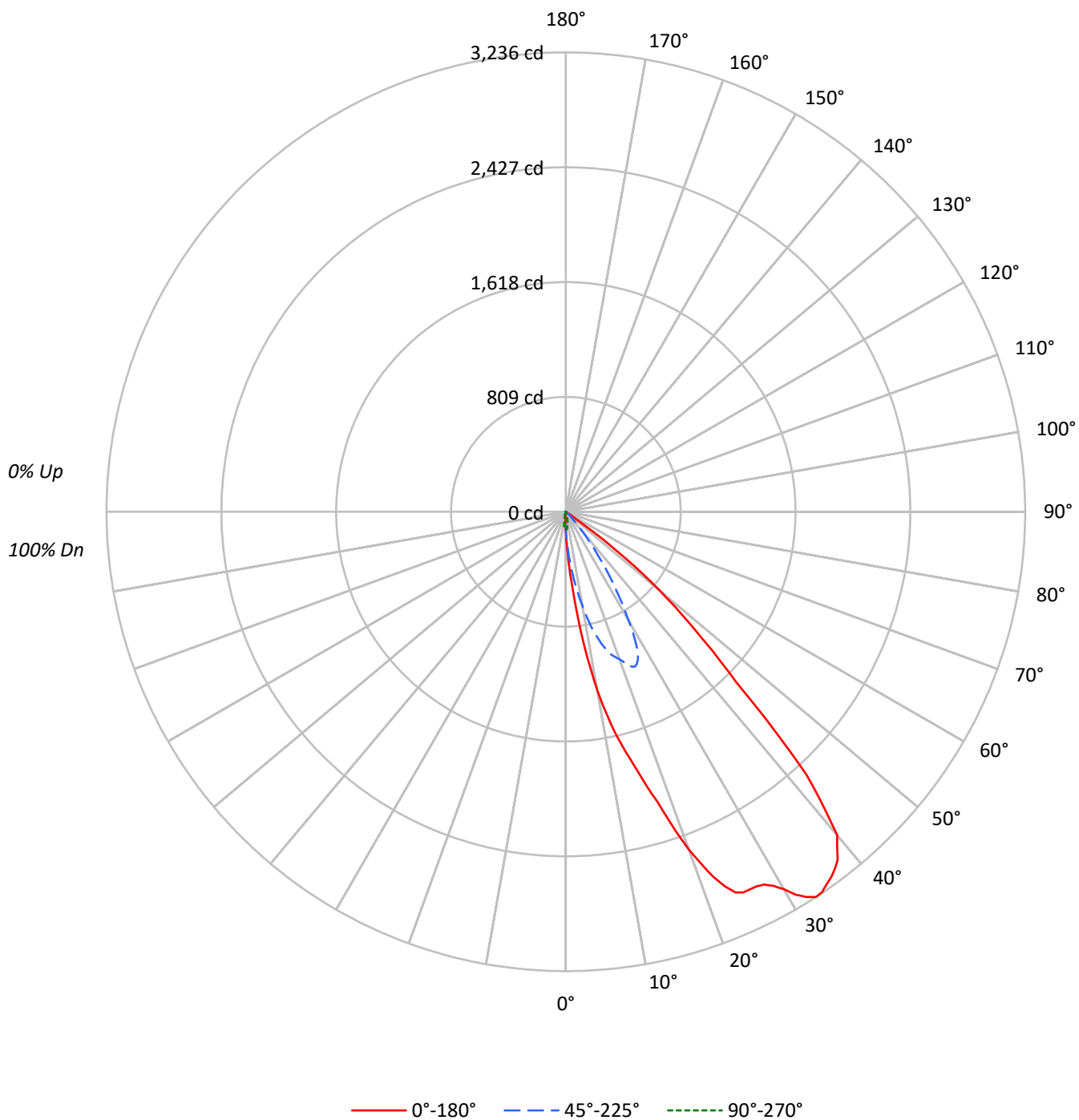
Lumens per Lamp: N/A
Luminaire Lumens: 1086.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309155

CATALOG NUMBER: P3SQAS13R409035DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309155

CATALOG NUMBER: P3SQAS13R409035DE010 E3SQCA301MMS

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°	21872	21872	21872	21872	21872
5°	92854	63292	19190	3458	1729
10°	223181	117711	11892	350	0
15°	328478	171006	4992	0	0
20°	464310	202739	1833	0	0
25°	562365	225030	0	0	0
30°	610597	176016	0	0	0
35°	673310	103041	0	0	0
40°	668257	41817	0	0	0
45°	413856	12178	0	0	0
50°	230447	268	0	0	0
55°	22520	0	0	0	0
60°	0	0	344	0	0
65°	0	0	408	0	0
70°	0	504	1007	0	0
75°	0	665	1331	0	0
80°	0	992	1984	0	0
85°	0	1976	3952	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 415805 cd/sqm

TEST NUMBER: P1309155

CATALOG NUMBER: P3SQAS13R409035DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	2.2
10°-20°	140.0	12.9
20°-30°	319.5	29.4
30°-40°	377.3	34.7
40°-50°	201.6	18.6
50°-60°	21.9	2.0
60°-70°	0.4	0.0
70°-80°	0.8	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°	483.3	44.5
0°-40°	860.6	79.2
0°-60°	1084.1	99.8
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	127	127	127	127	127	
5°	537	366	111	20	10	76
15°	1842	959	28	0	0	547
25°	2959	1184	0	0	0	1344
35°	3202	490	0	0	0	1978
45°	1699	50	0	0	0	1401
55°	75	0	0	0	0	210
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: P1309155

CATALOG NUMBER: P3SQAS13R409035DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	296.0	290.0	294.0	286.0	286.0	268.0	269.0	254.0	232.0	177.0	126.0
5°	537.1	561.1	542.1	517.1	503.1	485.1	461.1	436.1	366.1	221.0	111.0
7.5°	899.1	897.1	865.1	838.1	807.1	759.1	714.1	653.1	521.1	253.0	92.0
10°	1276.2	1269.2	1233.2	1210.2	1151.2	1082.2	990.1	892.1	673.1	264.0	68.0
12.5°	1590.2	1581.2	1551.2	1512.2	1447.2	1360.2	1261.2	1132.2	833.1	252.0	44.0
15°	1842.3	1840.3	1811.3	1758.3	1690.2	1605.2	1493.2	1338.2	959.1	221.0	28.0
17.5°	2141.3	2153.3	2101.3	2044.3	1946.3	1827.3	1690.2	1513.2	1052.2	183.0	18.0
20°	2533.4	2516.4	2468.4	2385.3	2291.3	2148.3	1954.3	1701.2	1106.2	142.0	10.0
21°	2653.4	2646.4	2596.4	2519.4	2415.3	2270.3	2070.3	1797.3	1131.2	127.0	8.0
22°	2775.4	2763.4	2724.4	2649.4	2551.4	2387.3	2167.3	1896.3	1163.2	111.0	5.0
23°	2866.4	2861.4	2831.4	2757.4	2656.4	2497.4	2272.3	1988.3	1185.2	96.0	3.0
24°	2936.4	2930.4	2900.4	2844.4	2757.4	2591.4	2378.3	2087.3	1194.2	83.0	1.0
25°	2959.4	2962.4	2944.4	2900.4	2827.4	2661.4	2457.4	2165.3	1184.2	71.0	0.0
26°	2960.4	2969.4	2956.4	2931.4	2871.4	2717.4	2531.4	2211.3	1158.2	60.0	0.0
27°	2960.4	2969.4	2956.4	2937.4	2878.4	2749.4	2571.4	2216.3	1118.2	51.0	0.0
28°	2974.4	2979.4	2962.4	2939.4	2875.4	2759.4	2582.4	2186.3	1054.2	44.0	0.0
29°	3013.4	3008.4	2980.4	2949.4	2872.4	2759.4	2549.4	2129.3	974.1	37.0	0.0
30°	3070.4	3070.4	3026.4	2977.4	2886.4	2758.4	2496.4	2026.3	885.1	30.0	0.0
31°	3147.5	3140.5	3096.4	3023.4	2916.4	2758.4	2418.3	1912.3	803.1	26.0	0.0
32°	3199.5	3195.5	3153.5	3067.4	2965.4	2758.4	2334.3	1786.3	714.1	21.0	0.0
33°	3235.5	3227.5	3179.5	3090.4	2995.4	2744.4	2240.3	1651.2	634.1	17.0	0.0
34°	3230.5	3228.5	3178.5	3086.4	2989.4	2686.4	2131.3	1501.2	560.1	14.0	0.0
35°	3202.5	3202.5	3141.5	3046.4	2946.4	2601.4	2023.3	1373.2	490.1	10.0	0.0
36°	3181.5	3173.5	3104.4	2998.4	2874.4	2467.4	1863.3	1244.2	415.1	8.0	0.0
37°	3150.5	3135.5	3058.4	2944.4	2772.4	2322.3	1695.2	1129.2	351.1	5.0	0.0
38°	3110.4	3087.4	2993.4	2881.4	2660.4	2155.3	1524.2	1000.1	292.0	3.0	0.0
39°	3037.4	3018.4	2921.4	2800.4	2526.4	1979.3	1358.2	879.1	236.0	1.0	0.0
40°	2972.4	2939.4	2829.4	2690.4	2369.3	1780.3	1193.2	760.1	186.0	0.0	0.0
42.5°	2506.4	2471.4	2446.4	2308.3	1887.3	1278.2	833.1	487.1	97.0	0.0	0.0
45°	1699.2	1707.2	1629.2	1536.2	1245.2	833.1	521.1	271.0	50.0	0.0	0.0
47.5°	1239.2	1218.2	1112.2	936.1	730.1	487.1	272.0	131.0	20.0	0.0	0.0
50°	860.1	820.1	724.1	592.1	397.1	232.0	120.0	61.0	1.0	0.0	0.0
52.5°	467.1	439.1	372.1	270.0	165.0	89.0	48.0	25.0	0.0	0.0	0.0
55°	75.0	52.0	54.0	46.0	36.0	26.0	15.0	3.0	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	2.0	2.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0



TEST NUMBER: P1309155

CATALOG NUMBER: P3SQAS13R409035DE010 E3SQCA301MMS

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	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	127.0	127.0	127.0	127.0
2.5°	85.0	58.0	44.0	38.0
5°	49.0	20.0	11.0	10.0
7.5°	24.0	7.0	4.0	4.0
10°	10.0	2.0	0.0	0.0
12.5°	3.0	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



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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)