

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: P1311001

Luminaire Tested: P3SQAS05R309050DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309050DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

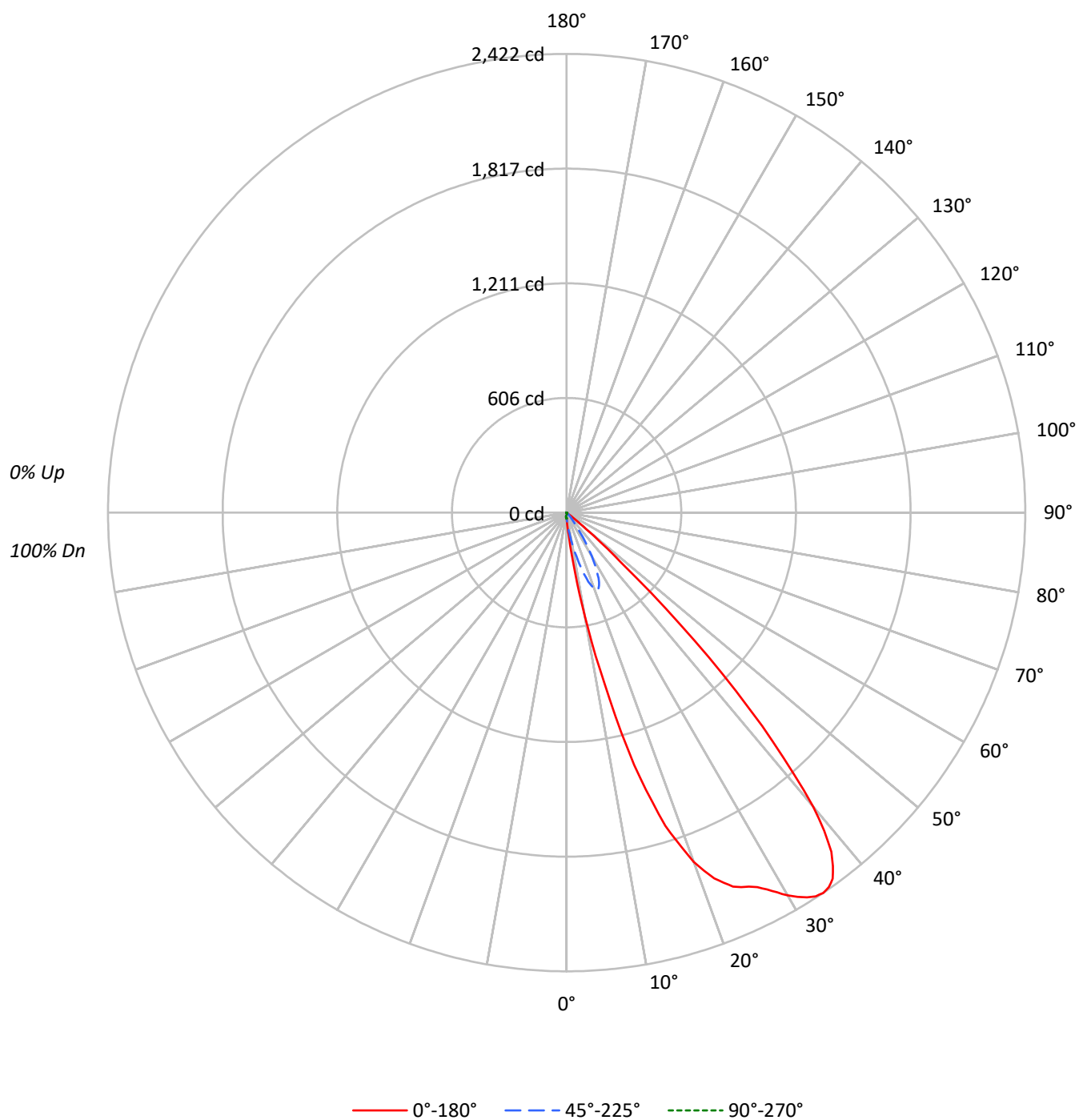
Lumens per Lamp: N/A
Luminaire Lumens: 583.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	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	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5373	5373	5373	5373	5373
5°	19484	12102	4910	1988	1418
10°	96446	28995	3830	385	0
15°	246016	55219	2443	0	0
20°	359477	78515	1008	0	0
25°	414714	77037	209	0	0
30°	464152	52878	0	0	0
35°	507616	22770	0	0	0
40°	455599	8858	0	0	0
45°	232672	3605	0	0	0
50°	35903	429	0	0	0
55°	2132	0	150	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	1065	0	0
80°	0	496	1587	0	0
85°	0	988	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232672 cd/sqm

TEST NUMBER: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	1.1
10°-20°	77.7	13.3
20°-30°	192.0	32.9
30°-40°	220.8	37.9
40°-50°	81.9	14.0
50°-60°	3.0	0.5
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.4	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°	276.2	47.4
0°-40°	496.9	85.2
0°-60°	581.8	99.8
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	113	70	28	12	8	24
15°	1380	310	14	0	0	397
25°	2182	405	1	0	0	1008
35°	2414	108	0	0	0	1464
45°	955	15	0	0	0	744
55°	7	0	0	0	0	24
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	55.3	55.8	55.8	54.2	53.6	53.1	51.4	46.5	38.8	31.2	25.2
5°	112.7	113.3	113.3	110.0	103.4	96.8	91.4	70.0	44.9	28.4	18.6
7.5°	265.9	266.4	255.0	241.8	215.6	201.9	176.7	107.8	50.9	25.7	12.0
10°	551.5	539.5	509.4	471.1	430.6	378.1	325.0	165.8	55.3	21.9	7.7
12.5°	921.9	910.4	871.6	816.8	737.5	634.7	534.0	233.1	55.8	17.5	4.4
15°	1379.8	1347.5	1301.0	1210.2	1093.1	933.9	767.6	309.7	53.6	13.7	1.1
17.5°	1734.9	1705.4	1646.3	1540.1	1394.6	1217.9	1013.8	382.4	47.6	8.8	0.0
20°	1961.4	1930.2	1875.0	1781.4	1626.6	1419.2	1185.6	428.4	39.4	5.5	0.0
21°	2026.0	1995.9	1941.7	1848.7	1694.4	1487.6	1227.7	438.2	35.6	4.4	0.0
22°	2082.9	2059.3	2009.0	1907.8	1750.8	1537.9	1270.4	439.3	32.8	3.3	0.0
23°	2122.8	2105.8	2055.5	1962.5	1806.0	1579.0	1293.4	432.8	29.5	2.2	0.0
24°	2161.1	2140.3	2097.1	2010.6	1849.8	1613.4	1314.2	420.7	26.3	1.6	0.0
25°	2182.4	2158.4	2125.0	2044.0	1885.9	1635.3	1326.8	405.4	23.0	1.1	0.0
26°	2197.2	2178.6	2142.0	2063.7	1901.2	1649.5	1328.4	383.0	20.8	0.5	0.0
27°	2219.6	2201.0	2165.5	2081.2	1907.8	1647.4	1318.5	357.3	18.1	0.0	0.0
28°	2253.6	2228.9	2193.4	2099.8	1910.5	1638.1	1296.7	329.4	15.3	0.0	0.0
29°	2292.4	2267.2	2228.4	2124.4	1911.1	1619.5	1262.2	298.7	13.7	0.0	0.0
30°	2334.0	2312.1	2272.7	2148.5	1917.1	1595.4	1222.3	265.9	10.9	0.0	0.0
31°	2366.8	2347.1	2305.0	2170.4	1922.0	1574.6	1173.0	233.1	9.3	0.0	0.0
32°	2395.3	2377.8	2325.8	2175.3	1912.2	1545.0	1120.5	201.3	7.7	0.0	0.0
33°	2415.0	2393.1	2332.3	2162.7	1883.7	1496.4	1061.9	171.2	6.0	0.0	0.0
34°	2422.1	2395.8	2322.5	2129.9	1826.3	1422.5	985.9	140.1	4.9	0.0	0.0
35°	2414.4	2382.1	2286.9	2073.6	1748.6	1334.4	894.5	108.3	3.8	0.0	0.0
36°	2389.8	2348.8	2236.1	1993.1	1637.5	1230.5	803.2	84.3	2.7	0.0	0.0
37°	2336.7	2291.3	2149.1	1887.0	1527.5	1111.2	699.2	65.7	1.6	0.0	0.0
38°	2271.6	2206.0	2033.1	1753.0	1385.3	977.1	596.4	54.2	1.1	0.0	0.0
39°	2160.6	2088.3	1895.2	1598.7	1245.8	849.7	496.2	47.1	0.5	0.0	0.0
40°	2026.5	1940.6	1737.6	1433.4	1081.1	716.2	414.2	39.4	0.5	0.0	0.0
42.5°	1528.6	1455.9	1237.6	975.0	660.9	422.4	229.8	25.7	0.0	0.0	0.0
45°	955.3	879.2	731.5	534.5	357.8	218.8	110.5	14.8	0.0	0.0	0.0
47.5°	390.1	357.8	294.3	226.5	161.9	102.9	46.0	6.6	0.0	0.0	0.0
50°	134.0	119.3	100.1	73.3	52.0	35.6	24.1	1.6	0.0	0.0	0.0
52.5°	38.8	39.4	34.5	29.5	23.0	16.4	12.0	0.0	0.0	0.0	0.0
55°	7.1	6.0	7.1	6.6	7.1	6.0	4.4	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5



TEST NUMBER: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

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	0.0	0.5	1.1	1.6	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	0.5
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: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	31.2	31.2	31.2
2.5°	20.2	18.1	17.0
5°	11.5	8.8	8.2
7.5°	6.0	3.8	3.3
10°	2.2	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
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	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

TEST NUMBER: P1311001

CATALOG NUMBER: P3SQAS05R309050DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)