

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: P1305588

Luminaire Tested: P3SQAS05R309024DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305588
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: P3SQAS05R309024DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

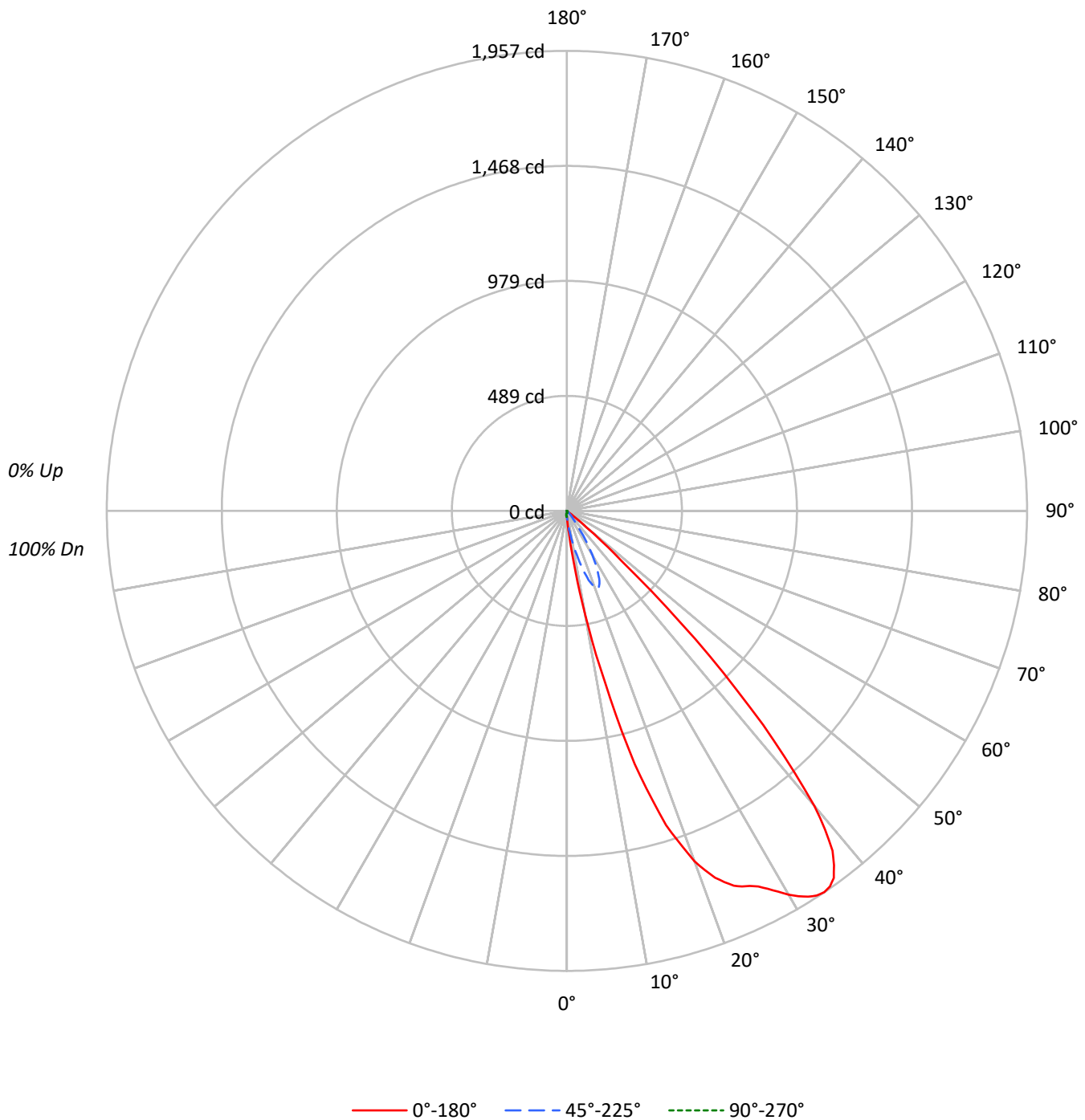
Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	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°	4340	4340	4340	4340	4340
5°	15749	9785	3976	1608	1141
10°	77909	23416	3095	315	0
15°	198749	44610	1979	0	0
20°	290418	63432	806	0	0
25°	335055	62234	171	0	0
30°	374981	42716	0	0	0
35°	410104	18396	0	0	0
40°	368076	7149	0	0	0
45°	187955	2898	0	0	0
50°	29017	348	0	0	0
55°	1711	0	120	0	0
60°	0	0	138	0	0
65°	0	0	367	0	0
70°	0	201	453	0	0
75°	0	266	865	0	0
80°	0	397	1289	0	0
85°	0	790	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 187955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	1.1
10°-20°	62.8	13.3
20°-30°	155.1	32.9
30°-40°	178.3	37.9
40°-50°	66.2	14.0
50°-60°	2.4	0.5
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	223.1	47.4
0°-40°	401.5	85.2
0°-60°	470.0	99.8
0°-90°	471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	91	57	23	9	7	20
15°	1115	250	11	0	0	320
25°	1763	328	1	0	0	815
35°	1951	88	0	0	0	1183
45°	772	12	0	0	0	601
55°	6	0	0	0	0	20
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	44.6	45.1	45.1	43.8	43.3	42.9	41.5	37.6	31.4	25.2	20.3
5°	91.1	91.5	91.5	88.8	83.5	78.2	73.8	56.6	36.2	23.0	15.0
7.5°	214.8	215.3	206.0	195.4	174.2	163.1	142.8	87.1	41.1	20.8	9.7
10°	445.5	435.8	411.5	380.6	347.9	305.4	262.6	133.9	44.6	17.7	6.2
12.5°	744.8	735.5	704.1	659.9	595.8	512.7	431.4	188.3	45.1	14.1	3.5
15°	1114.7	1088.7	1051.1	977.7	883.1	754.5	620.1	250.2	43.3	11.1	0.9
17.5°	1401.6	1377.7	1330.0	1244.3	1126.7	983.9	819.0	309.0	38.5	7.1	0.0
20°	1584.6	1559.4	1514.8	1439.2	1314.1	1146.6	957.8	346.1	31.8	4.4	0.0
21°	1636.8	1612.4	1568.7	1493.5	1368.9	1201.8	991.9	354.0	28.7	3.5	0.0
22°	1682.7	1663.7	1623.1	1541.3	1414.4	1242.5	1026.3	354.9	26.5	2.7	0.0
23°	1715.0	1701.3	1660.6	1585.5	1459.1	1275.6	1044.9	349.6	23.9	1.8	0.0
24°	1745.9	1729.1	1694.2	1624.4	1494.4	1303.5	1061.7	339.9	21.2	1.3	0.0
25°	1763.2	1743.7	1716.8	1651.3	1523.6	1321.2	1071.9	327.5	18.6	0.9	0.0
26°	1775.1	1760.1	1730.5	1667.3	1536.0	1332.7	1073.2	309.4	16.8	0.4	0.0
27°	1793.2	1778.2	1749.5	1681.4	1541.3	1330.9	1065.2	288.6	14.6	0.0	0.0
28°	1820.6	1800.7	1772.0	1696.4	1543.5	1323.4	1047.6	266.1	12.4	0.0	0.0
29°	1852.0	1831.7	1800.3	1716.3	1543.9	1308.3	1019.7	241.3	11.1	0.0	0.0
30°	1885.6	1867.9	1836.1	1735.8	1548.8	1288.9	987.4	214.8	8.8	0.0	0.0
31°	1912.1	1896.2	1862.2	1753.4	1552.8	1272.1	947.7	188.3	7.5	0.0	0.0
32°	1935.1	1921.0	1879.0	1757.4	1544.8	1248.2	905.2	162.7	6.2	0.0	0.0
33°	1951.0	1933.3	1884.3	1747.3	1521.8	1208.9	857.9	138.3	4.9	0.0	0.0
34°	1956.8	1935.6	1876.3	1720.7	1475.4	1149.2	796.5	113.2	4.0	0.0	0.0
35°	1950.6	1924.5	1847.6	1675.2	1412.7	1078.1	722.7	87.5	3.1	0.0	0.0
36°	1930.7	1897.5	1806.5	1610.2	1322.9	994.1	648.9	68.1	2.2	0.0	0.0
37°	1887.8	1851.1	1736.2	1524.5	1234.1	897.7	564.9	53.0	1.3	0.0	0.0
38°	1835.2	1782.2	1642.5	1416.2	1119.2	789.4	481.8	43.8	0.9	0.0	0.0
39°	1745.5	1687.1	1531.1	1291.5	1006.5	686.4	400.9	38.0	0.4	0.0	0.0
40°	1637.2	1567.8	1403.8	1158.1	873.4	578.6	334.6	31.8	0.4	0.0	0.0
42.5°	1235.0	1176.2	999.8	787.7	533.9	341.2	185.6	20.8	0.0	0.0	0.0
45°	771.7	710.3	591.0	431.8	289.1	176.8	89.3	11.9	0.0	0.0	0.0
47.5°	315.2	289.1	237.8	183.0	130.8	83.1	37.1	5.3	0.0	0.0	0.0
50°	108.3	96.4	80.9	59.2	42.0	28.7	19.4	1.3	0.0	0.0	0.0
52.5°	31.4	31.8	27.8	23.9	18.6	13.3	9.7	0.0	0.0	0.0	0.0
55°	5.7	4.9	5.7	5.3	5.7	4.9	3.5	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4



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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	0.4	0.9	1.3	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
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):

	135°	157.5°	180°
0°	25.2	25.2	25.2
2.5°	16.4	14.6	13.7
5°	9.3	7.1	6.6
7.5°	4.9	3.1	2.7
10°	1.8	0.4	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

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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)