

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: P1314052

Luminaire Tested: P3SQAS05R309735DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314052
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: P3SQAS05R309735DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

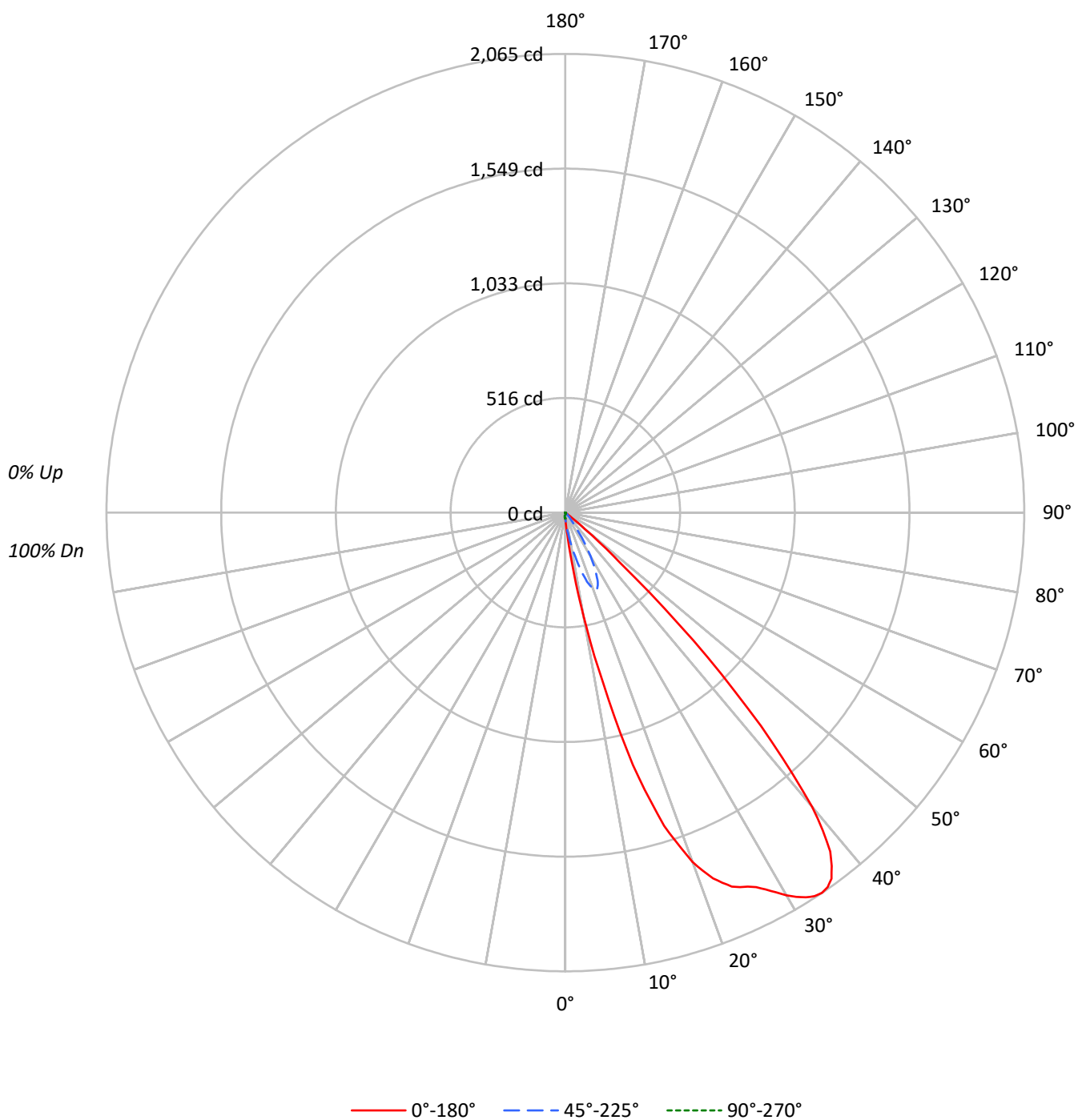
Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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	69	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°	4581	4581	4581	4581	4581
5°	16614	10321	4201	1694	1210
10°	82211	24710	3270	332	0
15°	209732	47071	2086	0	0
20°	306455	66932	861	0	0
25°	353545	65673	171	0	0
30°	395683	45083	0	0	0
35°	432747	19406	0	0	0
40°	388400	7554	0	0	0
45°	198331	3069	0	0	0
50°	30624	375	0	0	0
55°	1832	0	150	0	0
60°	0	0	172	0	0
65°	0	0	367	0	0
70°	0	252	453	0	0
75°	0	333	932	0	0
80°	0	496	1389	0	0
85°	0	988	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 198331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	1.1
10°-20°	66.2	13.3
20°-30°	163.6	32.9
30°-40°	188.2	37.9
40°-50°	69.8	14.0
50°-60°	2.5	0.5
60°-70°	0.2	0.0
70°-80°	0.4	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°	235.4	47.4
0°-40°	423.6	85.2
0°-60°	496.0	99.8
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	96	60	24	10	7	21
15°	1176	264	12	0	0	338
25°	1860	346	1	0	0	860
35°	2058	92	0	0	0	1248
45°	814	13	0	0	0	634
55°	6	0	0	0	0	21
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°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
2.5°	47.1	47.6	47.6	46.2	45.7	45.2	43.8	39.6	33.1	26.6	21.5
5°	96.1	96.5	96.5	93.7	88.2	82.6	77.9	59.7	38.2	24.3	15.9
7.5°	226.7	227.1	217.3	206.2	183.8	172.1	150.6	91.9	43.4	21.9	10.3
10°	470.1	459.9	434.2	401.6	367.1	322.3	277.0	141.3	47.1	18.7	6.5
12.5°	785.9	776.1	743.0	696.3	628.7	541.0	455.2	198.7	47.6	14.9	3.7
15°	1176.3	1148.8	1109.1	1031.7	931.9	796.2	654.4	264.0	45.7	11.7	0.9
17.5°	1479.0	1453.8	1403.4	1312.9	1188.9	1038.2	864.3	326.0	40.6	7.5	0.0
20°	1672.1	1645.5	1598.4	1518.6	1386.6	1209.9	1010.7	365.2	33.6	4.7	0.0
21°	1727.1	1701.5	1655.3	1576.0	1444.5	1268.2	1046.6	373.6	30.3	3.7	0.0
22°	1775.6	1755.6	1712.6	1626.4	1492.5	1311.1	1083.0	374.5	28.0	2.8	0.0
23°	1809.7	1795.2	1752.3	1673.0	1539.6	1346.1	1102.6	368.9	25.2	1.9	0.0
24°	1842.3	1824.6	1787.7	1714.0	1576.9	1375.4	1120.3	358.7	22.4	1.4	0.0
25°	1860.5	1840.0	1811.5	1742.5	1607.7	1394.1	1131.0	345.6	19.6	0.9	0.0
26°	1873.1	1857.2	1826.0	1759.3	1620.8	1406.2	1132.4	326.5	17.7	0.5	0.0
27°	1892.2	1876.4	1846.0	1774.2	1626.4	1404.4	1124.0	304.6	15.4	0.0	0.0
28°	1921.1	1900.1	1869.8	1790.1	1628.7	1396.4	1105.4	280.8	13.1	0.0	0.0
29°	1954.2	1932.8	1899.7	1811.1	1629.2	1380.6	1076.0	254.7	11.7	0.0	0.0
30°	1989.7	1971.0	1937.5	1831.6	1634.3	1360.0	1042.0	226.7	9.3	0.0	0.0
31°	2017.7	2000.9	1965.0	1850.2	1638.5	1342.3	1000.0	198.7	7.9	0.0	0.0
32°	2041.9	2027.0	1982.7	1854.4	1630.1	1317.1	955.2	171.6	6.5	0.0	0.0
33°	2058.7	2040.1	1988.3	1843.7	1605.8	1275.6	905.3	146.0	5.1	0.0	0.0
34°	2064.8	2042.4	1979.9	1815.7	1556.9	1212.7	840.5	119.4	4.2	0.0	0.0
35°	2058.3	2030.7	1949.6	1767.7	1490.6	1137.6	762.6	92.3	3.3	0.0	0.0
36°	2037.3	2002.3	1906.2	1699.1	1396.0	1049.0	684.7	71.8	2.3	0.0	0.0
37°	1992.0	1953.3	1832.0	1608.6	1302.2	947.3	596.1	56.0	1.4	0.0	0.0
38°	1936.5	1880.6	1733.2	1494.4	1180.9	833.0	508.4	46.2	0.9	0.0	0.0
39°	1841.8	1780.3	1615.6	1362.8	1062.0	724.3	423.0	40.1	0.5	0.0	0.0
40°	1727.6	1654.3	1481.3	1222.0	921.6	610.5	353.1	33.6	0.5	0.0	0.0
42.5°	1303.1	1241.1	1055.0	831.1	563.4	360.1	195.9	21.9	0.0	0.0	0.0
45°	814.3	749.5	623.6	455.7	305.0	186.6	94.2	12.6	0.0	0.0	0.0
47.5°	332.5	305.0	250.9	193.1	138.1	87.7	39.2	5.6	0.0	0.0	0.0
50°	114.3	101.7	85.4	62.5	44.3	30.3	20.5	1.4	0.0	0.0	0.0
52.5°	33.1	33.6	29.4	25.2	19.6	14.0	10.3	0.0	0.0	0.0	0.0
55°	6.1	5.1	6.1	5.6	6.1	5.1	3.7	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	0.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.9	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5



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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	0.5	0.9	1.4	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	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

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	26.6	26.6	26.6
2.5°	17.3	15.4	14.5
5°	9.8	7.5	7.0
7.5°	5.1	3.3	2.8
10°	1.9	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

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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)