

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: P1308830

Luminaire Tested: P3SQAS05R409035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308830
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: P3SQAS05R409035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

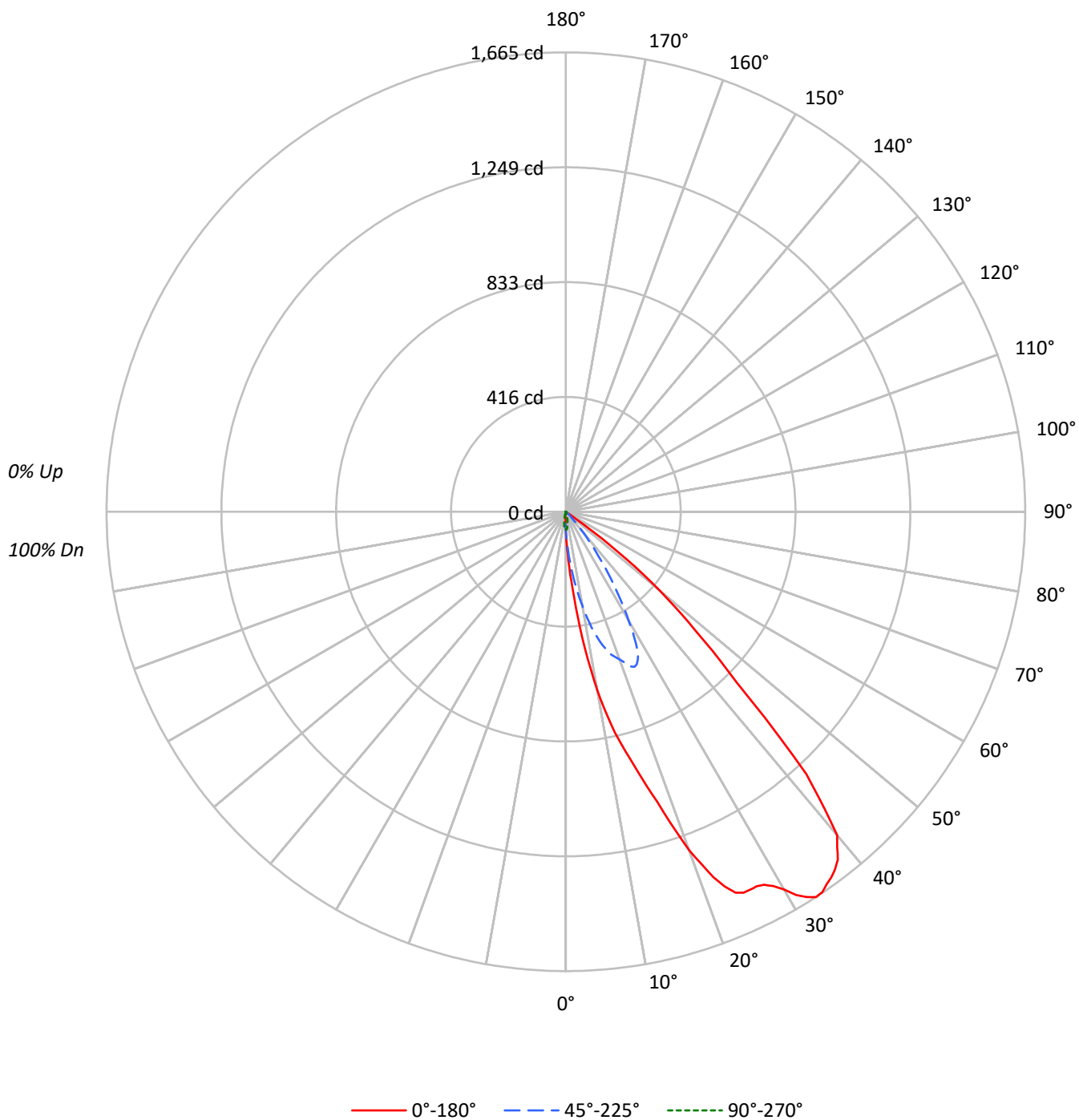
Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			0
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°	11263	11263	11263	11263	11263
5°	47801	32571	9871	1781	882
10°	114878	60596	6121	175	0
15°	169080	88026	2567	0	0
20°	238991	104357	935	0	0
25°	289468	115821	0	0	0
30°	314307	90603	0	0	0
35°	346568	53045	0	0	0
40°	343976	21538	0	0	0
45°	213042	6259	0	0	0
50°	118613	134	0	0	0
55°	11590	0	0	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	252	504	0	0
75°	0	333	665	0	0
80°	0	496	992	0	0
85°	0	988	1976	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 214040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	2.2
10°-20°	72.1	12.9
20°-30°	164.5	29.4
30°-40°	194.2	34.7
40°-50°	103.8	18.6
50°-60°	11.3	2.0
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°	248.8	44.5
0°-40°	443.0	79.2
0°-60°	558.0	99.8
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	276	188	57	10	5	39
15°	948	494	14	0	0	282
25°	1523	610	0	0	0	692
35°	1648	252	0	0	0	1018
45°	875	26	0	0	0	721
55°	39	0	0	0	0	108
65°	0	0	0	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°	35°	45°	67.5°	90°
0°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2.5°	152.4	149.3	151.4	147.2	147.2	138.0	138.5	130.8	119.4	91.1	64.9
5°	276.5	288.8	279.0	266.2	258.9	249.7	237.3	224.5	188.4	113.8	57.1
7.5°	462.8	461.8	445.3	431.4	415.4	390.7	367.6	336.2	268.2	130.2	47.4
10°	656.9	653.3	634.8	622.9	592.5	557.0	509.7	459.2	346.5	135.9	35.0
12.5°	818.5	813.9	798.5	778.4	744.9	700.1	649.2	582.8	428.8	129.7	22.7
15°	948.3	947.2	932.3	905.0	870.0	826.3	768.6	688.8	493.7	113.8	14.4
17.5°	1102.2	1108.4	1081.6	1052.3	1001.8	940.6	870.0	778.9	541.6	94.2	9.3
20°	1304.0	1295.3	1270.5	1227.8	1179.4	1105.8	1005.9	875.7	569.4	73.1	5.1
21°	1365.8	1362.2	1336.4	1296.8	1243.3	1168.6	1065.7	925.1	582.2	65.4	4.1
22°	1428.6	1422.4	1402.3	1363.7	1313.3	1228.8	1115.6	976.1	598.7	57.1	2.6
23°	1475.4	1472.9	1457.4	1419.3	1367.3	1285.5	1169.6	1023.4	610.0	49.4	1.5
24°	1511.5	1508.4	1492.9	1464.1	1419.3	1333.9	1224.2	1074.4	614.7	42.7	0.5
25°	1523.3	1524.9	1515.6	1492.9	1455.4	1369.9	1264.9	1114.6	609.5	36.6	0.0
26°	1523.8	1528.5	1521.8	1508.9	1478.0	1398.7	1303.0	1138.2	596.1	30.9	0.0
27°	1523.8	1528.5	1521.8	1512.0	1481.6	1415.2	1323.6	1140.8	575.6	26.3	0.0
28°	1531.0	1533.6	1524.9	1513.0	1480.1	1420.4	1329.2	1125.4	542.6	22.7	0.0
29°	1551.1	1548.5	1534.1	1518.2	1478.5	1420.4	1312.2	1096.0	501.4	19.0	0.0
30°	1580.5	1580.5	1557.8	1532.6	1485.7	1419.8	1285.0	1043.0	455.6	15.4	0.0
31°	1620.1	1616.5	1593.8	1556.3	1501.2	1419.8	1244.8	984.3	413.4	13.4	0.0
32°	1646.9	1644.8	1623.2	1578.9	1526.4	1419.8	1201.6	919.4	367.6	10.8	0.0
33°	1665.4	1661.3	1636.6	1590.8	1541.8	1412.6	1153.2	849.9	326.4	8.8	0.0
34°	1662.8	1661.8	1636.1	1588.7	1538.8	1382.8	1097.1	772.7	288.3	7.2	0.0
35°	1648.4	1648.4	1617.0	1568.1	1516.6	1339.0	1041.5	706.8	252.3	5.1	0.0
36°	1637.6	1633.5	1598.0	1543.4	1479.6	1270.0	959.1	640.4	213.6	4.1	0.0
37°	1621.6	1613.9	1574.3	1515.6	1427.0	1195.4	872.6	581.2	180.7	2.6	0.0
38°	1601.1	1589.2	1540.8	1483.2	1369.4	1109.4	784.6	514.8	150.3	1.5	0.0
39°	1563.5	1553.7	1503.8	1441.5	1300.4	1018.8	699.1	452.5	121.5	0.5	0.0
40°	1530.0	1513.0	1456.4	1384.8	1219.6	916.4	614.2	391.3	95.8	0.0	0.0
42.5°	1290.1	1272.1	1259.2	1188.2	971.4	657.9	428.8	250.7	49.9	0.0	0.0
45°	874.7	878.8	838.6	790.7	640.9	428.8	268.2	139.5	25.7	0.0	0.0
47.5°	637.8	627.0	572.5	481.9	375.8	250.7	140.0	67.4	10.3	0.0	0.0
50°	442.7	422.1	372.7	304.8	204.4	119.4	61.8	31.4	0.5	0.0	0.0
52.5°	240.4	226.0	191.5	139.0	84.9	45.8	24.7	12.9	0.0	0.0	0.0
55°	38.6	26.8	27.8	23.7	18.5	13.4	7.7	1.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0



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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	0.5	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0
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°	65.4	65.4	65.4	65.4
2.5°	43.8	29.9	22.7	19.6
5°	25.2	10.3	5.7	5.1
7.5°	12.4	3.6	2.1	2.1
10°	5.1	1.0	0.0	0.0
12.5°	1.5	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°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)