

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: P1306945

Luminaire Tested: P3SQAS13R559027DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559027DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

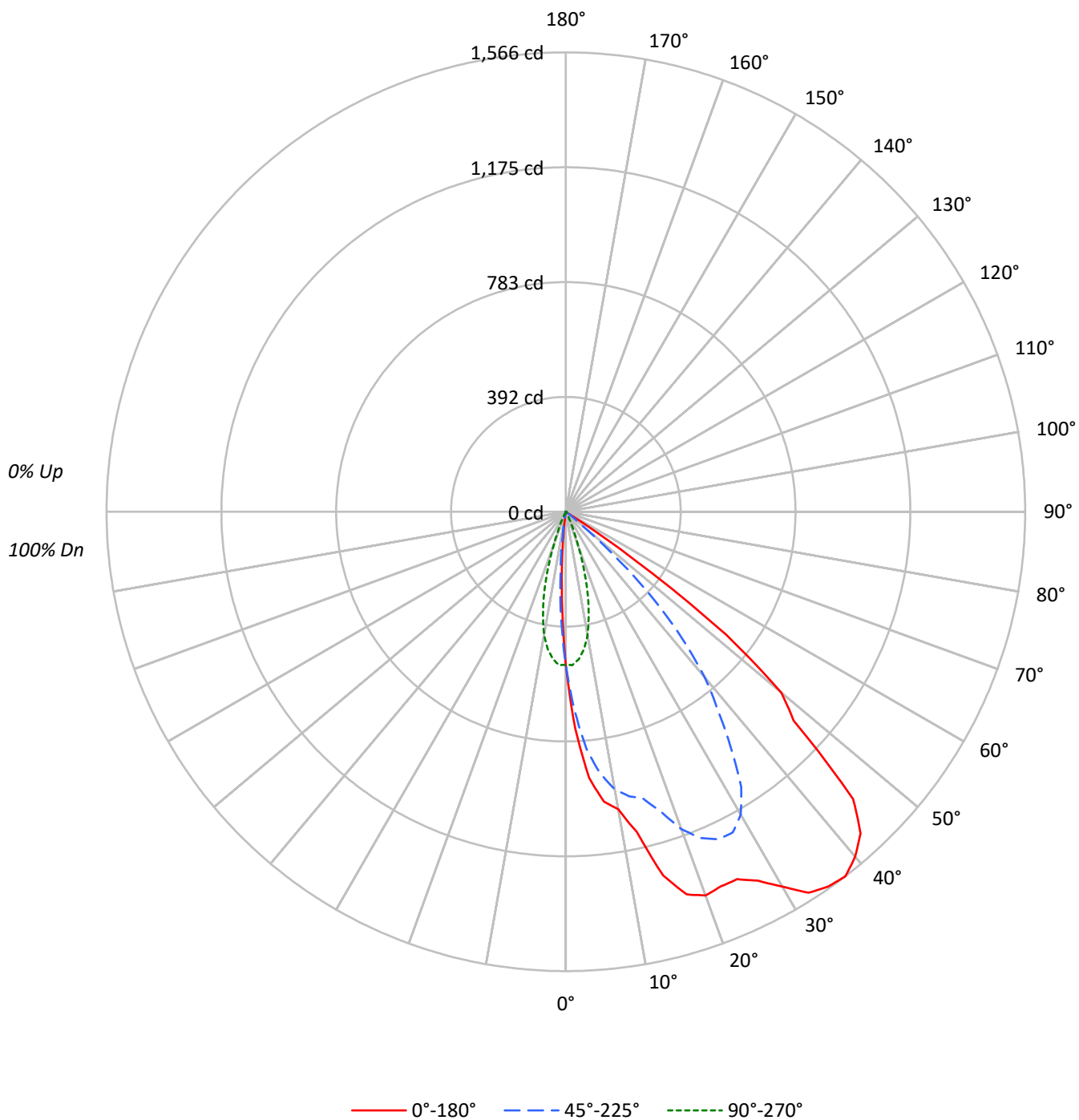
Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	84	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	75	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	68	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	89797	89797	89797	89797	89797
5°	157408	140310	87166	36218	20849
10°	180161	167954	74534	3970	1434
15°	228952	180277	51100	802	481
20°	255120	210913	22433	0	0
25°	262636	234018	6385	0	0
30°	293426	237147	895	0	0
35°	327940	205914	0	0	0
40°	344965	165760	0	0	0
45°	337281	104706	0	0	0
50°	256839	21381	0	0	0
55°	84133	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	1785	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 337281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	4.9
10°-20°	139.6	14.5
20°-30°	227.1	23.5
30°-40°	269.9	28.0
40°-50°	220.7	22.9
50°-60°	58.5	6.1
60°-70°	0.4	0.0
70°-80°	0.6	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°	414.3	42.9
0°-40°	684.2	70.9
0°-60°	963.4	99.8
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	521	521	521	521	521	
5°	910	812	504	210	121	89
15°	1284	1011	287	4	3	359
25°	1382	1232	34	0	0	651
35°	1560	979	0	0	0	970
45°	1385	430	0	0	0	994
55°	280	0	0	0	0	315
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4
2.5°	740.0	734.6	735.5	732.7	735.5	723.7	711.0	699.2	690.1	677.4	600.3
5°	910.5	901.4	898.7	895.1	891.4	876.9	865.1	850.6	833.4	811.6	670.2
7.5°	996.6	989.4	985.8	987.6	979.4	974.0	958.6	942.2	924.1	900.5	722.8
10°	1030.2	1022.9	1022.0	1021.1	1020.2	1016.6	1009.3	994.8	978.5	960.4	752.7
12.5°	1118.2	1101.8	1091.0	1078.3	1062.8	1042.9	1026.6	1013.9	1007.5	993.0	766.3
15°	1284.1	1268.7	1256.9	1240.6	1211.6	1168.9	1129.9	1080.1	1036.5	1011.1	760.9
17.5°	1367.5	1360.3	1350.3	1339.4	1319.5	1288.6	1248.7	1196.1	1140.8	1069.2	734.6
20°	1392.0	1388.4	1381.1	1376.6	1363.0	1341.2	1314.0	1273.2	1221.5	1150.8	693.7
22.5°	1382.1	1384.8	1388.4	1400.2	1402.0	1386.6	1361.2	1322.2	1269.6	1204.3	631.2
25°	1382.1	1380.2	1380.2	1404.7	1420.1	1412.9	1394.7	1359.4	1305.9	1231.5	554.1
27.5°	1417.4	1406.5	1383.9	1409.3	1434.7	1431.9	1415.6	1373.9	1314.0	1232.4	459.8
30°	1475.5	1451.9	1414.7	1438.3	1461.9	1451.9	1425.6	1372.1	1295.9	1192.5	344.6
32.5°	1539.8	1529.0	1509.9	1525.3	1521.7	1481.8	1434.7	1360.3	1258.7	1112.7	232.2
35°	1559.8	1561.6	1548.9	1546.2	1525.3	1484.5	1434.7	1326.7	1180.7	979.4	137.8
37.5°	1566.1	1567.1	1547.1	1521.7	1490.9	1442.8	1383.0	1257.8	1036.5	850.6	73.5
40°	1534.4	1533.5	1500.9	1470.0	1435.6	1388.4	1301.3	1112.7	899.6	737.3	26.3
42.5°	1487.2	1475.5	1444.6	1406.5	1364.8	1305.9	1169.8	939.5	781.7	590.4	1.8
45°	1384.8	1373.9	1349.4	1308.6	1262.3	1178.9	964.0	807.1	635.7	429.9	0.0
47.5°	1052.9	1047.4	1072.8	1078.3	1077.3	982.1	804.4	658.4	467.0	250.3	0.0
50°	958.6	951.3	925.9	893.3	835.2	755.4	644.8	487.9	273.9	79.8	0.0
52.5°	688.3	711.9	717.3	692.8	638.4	559.5	444.4	281.1	95.2	0.0	0.0
55°	280.2	265.7	276.6	290.2	301.1	276.6	205.0	99.8	0.9	0.0	0.0
57.5°	0.0	0.9	5.4	12.7	20.9	26.3	28.1	1.8	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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):

	90°	112.5°	135°	157.5°	180°
0°	521.4	521.4	521.4	521.4	521.4
2.5°	523.3	442.5	364.6	321.9	301.1
5°	504.2	338.3	209.5	145.1	120.6
7.5°	472.5	232.2	83.4	34.5	24.5
10°	426.2	133.3	22.7	9.1	8.2
12.5°	360.0	60.8	8.2	6.3	6.3
15°	286.6	20.9	4.5	3.6	2.7
17.5°	201.3	5.4	1.8	0.0	0.0
20°	122.4	0.9	0.0	0.0	0.0
22.5°	68.0	0.0	0.0	0.0	0.0
25°	33.6	0.0	0.0	0.0	0.0
27.5°	14.5	0.0	0.0	0.0	0.0
30°	4.5	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.0	0.0	0.0
67.5°	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.0	0.0	0.0
77.5°	1.8	0.9	0.9	0.0	0.0
80°	1.8	0.9	0.9	0.0	0.0
82.5°	1.8	0.9	0.9	0.0	0.0
85°	0.9	0.9	0.9	0.0	0.0
87.5°	1.8	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)