

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: P1308063

Luminaire Tested: P3SQAS13R559030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308063
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: P3SQAS13R559030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

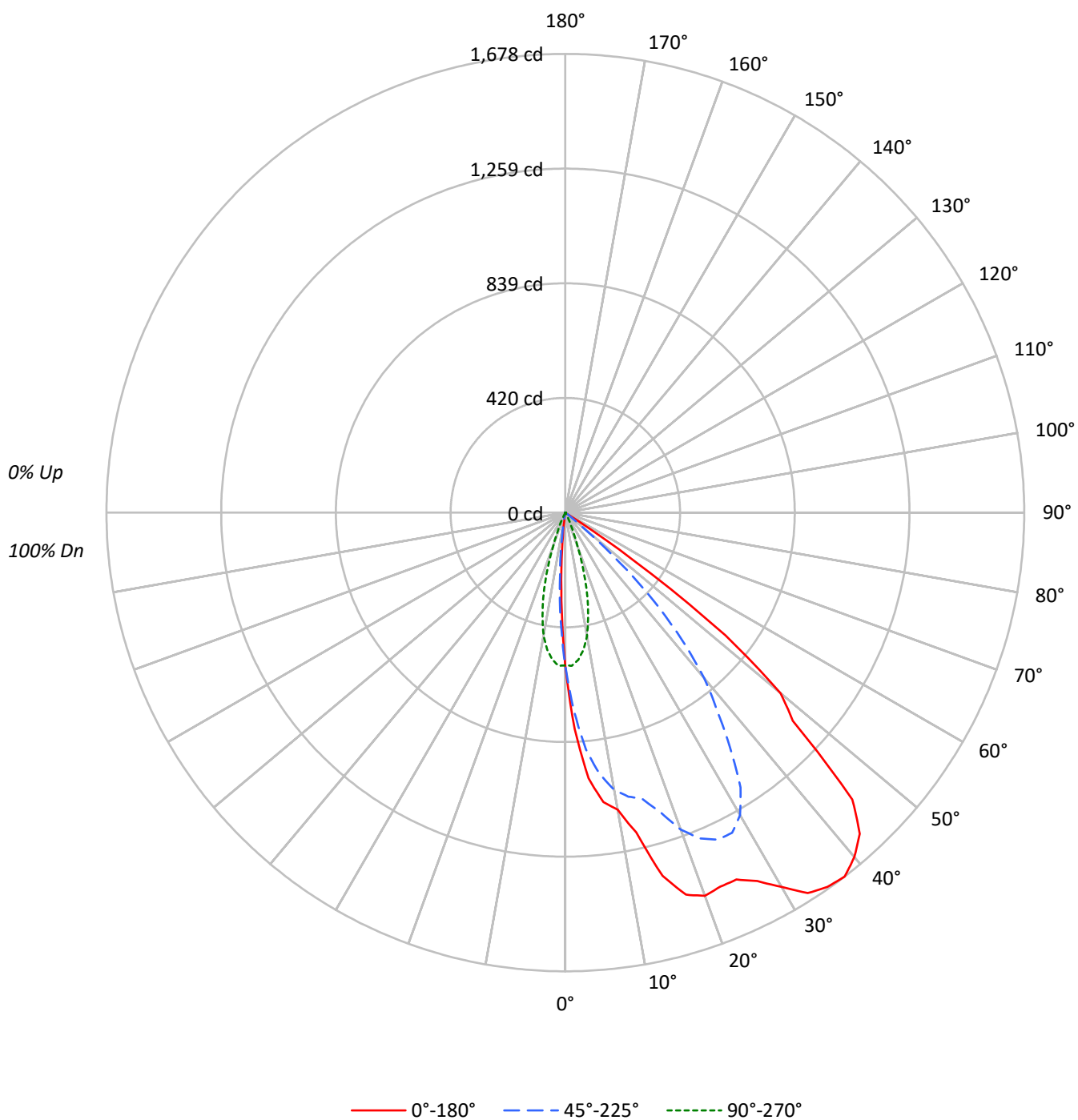
Lumens per Lamp: N/A
Luminaire Lumens: 1034.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308063

CATALOG NUMBER: P3SQAS13R559030DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308063

CATALOG NUMBER: P3SQAS13R559030DE010 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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	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°	96221	96221	96221	96221	96221
5°	168662	150354	93407	38812	22336
10°	193049	179951	79867	4250	1521
15°	245320	193168	54755	874	517
20°	273374	225997	24046	0	0
25°	281410	250759	6841	0	0
30°	314406	254110	974	0	0
35°	351383	220631	0	0	0
40°	369628	177608	0	0	0
45°	361394	112184	0	0	0
50°	275192	22908	0	0	0
55°	90168	0	0	0	0
60°	0	0	0	0	0
65°	0	408	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	1884	992	0
85°	0	1976	1976	1976	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 361394 cd/sqm

TEST NUMBER: P1308063

CATALOG NUMBER: P3SQAS13R559030DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	4.9
10°-20°	149.6	14.5
20°-30°	243.3	23.5
30°-40°	289.2	28.0
40°-50°	236.4	22.9
50°-60°	62.7	6.1
60°-70°	0.4	0.0
70°-80°	0.7	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°	444.0	42.9
0°-40°	733.1	70.9
0°-60°	1032.2	99.8
0°-90°	1034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	559	559	559	559	559	
5°	976	870	540	224	129	96
15°	1376	1083	307	5	3	385
25°	1481	1320	36	0	0	697
35°	1671	1049	0	0	0	1039
45°	1484	461	0	0	0	1065
55°	300	0	0	0	0	338
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	

TEST NUMBER: P1308063

CATALOG NUMBER: P3SQAS13R559030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7
2.5°	792.9	787.1	788.1	785.1	788.1	775.4	761.8	749.2	739.5	725.9	643.3
5°	975.6	965.9	963.0	959.1	955.2	939.6	927.0	911.5	893.0	869.7	718.1
7.5°	1067.9	1060.1	1056.2	1058.2	1049.4	1043.6	1027.1	1009.6	990.2	964.9	774.4
10°	1103.9	1096.1	1095.1	1094.1	1093.2	1089.3	1081.5	1066.0	1048.5	1029.0	806.5
12.5°	1198.1	1180.6	1169.0	1155.4	1138.8	1117.5	1100.0	1086.4	1079.6	1064.0	821.1
15°	1375.9	1359.4	1346.8	1329.3	1298.2	1252.5	1210.7	1157.3	1110.7	1083.4	815.3
17.5°	1465.3	1457.6	1446.9	1435.2	1413.8	1380.8	1338.0	1281.7	1222.4	1145.6	787.1
20°	1491.6	1487.7	1479.9	1475.0	1460.5	1437.1	1408.0	1364.3	1308.9	1233.1	743.4
22.5°	1480.9	1483.8	1487.7	1500.3	1502.3	1485.7	1458.5	1416.7	1360.4	1290.4	676.3
25°	1480.9	1478.9	1478.9	1505.2	1521.7	1513.9	1494.5	1456.6	1399.3	1319.6	593.7
27.5°	1518.8	1507.1	1482.8	1510.0	1537.2	1534.3	1516.8	1472.1	1408.0	1320.5	492.7
30°	1581.0	1555.7	1515.9	1541.1	1566.4	1555.7	1527.5	1470.2	1388.6	1277.8	369.2
32.5°	1649.9	1638.3	1617.9	1634.4	1630.5	1587.8	1537.2	1457.6	1348.7	1192.3	248.8
35°	1671.3	1673.3	1659.7	1656.8	1634.4	1590.7	1537.2	1421.6	1265.2	1049.4	147.7
37.5°	1678.1	1679.1	1657.7	1630.5	1597.5	1546.0	1481.8	1347.8	1110.7	911.5	78.7
40°	1644.1	1643.1	1608.2	1575.1	1538.2	1487.7	1394.4	1192.3	963.9	790.0	28.2
42.5°	1593.6	1581.0	1547.9	1507.1	1462.4	1399.3	1253.5	1006.7	837.6	632.6	1.9
45°	1483.8	1472.1	1445.9	1402.2	1352.6	1263.2	1032.9	864.8	681.2	460.6	0.0
47.5°	1128.1	1122.3	1149.5	1155.4	1154.4	1052.4	861.9	705.5	500.4	268.2	0.0
50°	1027.1	1019.3	992.1	957.1	894.9	809.4	690.9	522.8	293.5	85.5	0.0
52.5°	737.5	762.8	768.6	742.4	684.1	599.5	476.1	301.2	102.0	0.0	0.0
55°	300.3	284.7	296.4	310.9	322.6	296.4	219.6	106.9	1.0	0.0	0.0
57.5°	0.0	1.0	5.8	13.6	22.3	28.2	30.1	1.9	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	1.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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



TEST NUMBER: P1308063

CATALOG NUMBER: P3SQAS13R559030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	558.7	558.7	558.7	558.7	558.7
2.5°	560.7	474.2	390.6	345.0	322.6
5°	540.3	362.4	224.5	155.5	129.2
7.5°	506.3	248.8	89.4	36.9	26.2
10°	456.7	142.8	24.3	9.7	8.7
12.5°	385.8	65.1	8.7	6.8	6.8
15°	307.1	22.3	4.9	3.9	2.9
17.5°	215.7	5.8	1.9	0.0	0.0
20°	131.2	1.0	0.0	0.0	0.0
22.5°	72.9	0.0	0.0	0.0	0.0
25°	36.0	0.0	0.0	0.0	0.0
27.5°	15.5	0.0	0.0	0.0	0.0
30°	4.9	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°	1.0	0.0	0.0	0.0	0.0
65°	1.0	1.0	0.0	0.0	0.0
67.5°	1.0	1.0	0.0	0.0	0.0
70°	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	0.0	0.0	0.0
77.5°	1.9	1.0	1.0	0.0	0.0
80°	1.9	1.0	1.0	0.0	0.0
82.5°	1.9	1.0	1.0	0.0	0.0
85°	1.0	1.0	1.0	0.0	0.0
87.5°	1.9	1.0	1.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)