

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: P1316109

Luminaire Tested: P3SQAS09R359827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

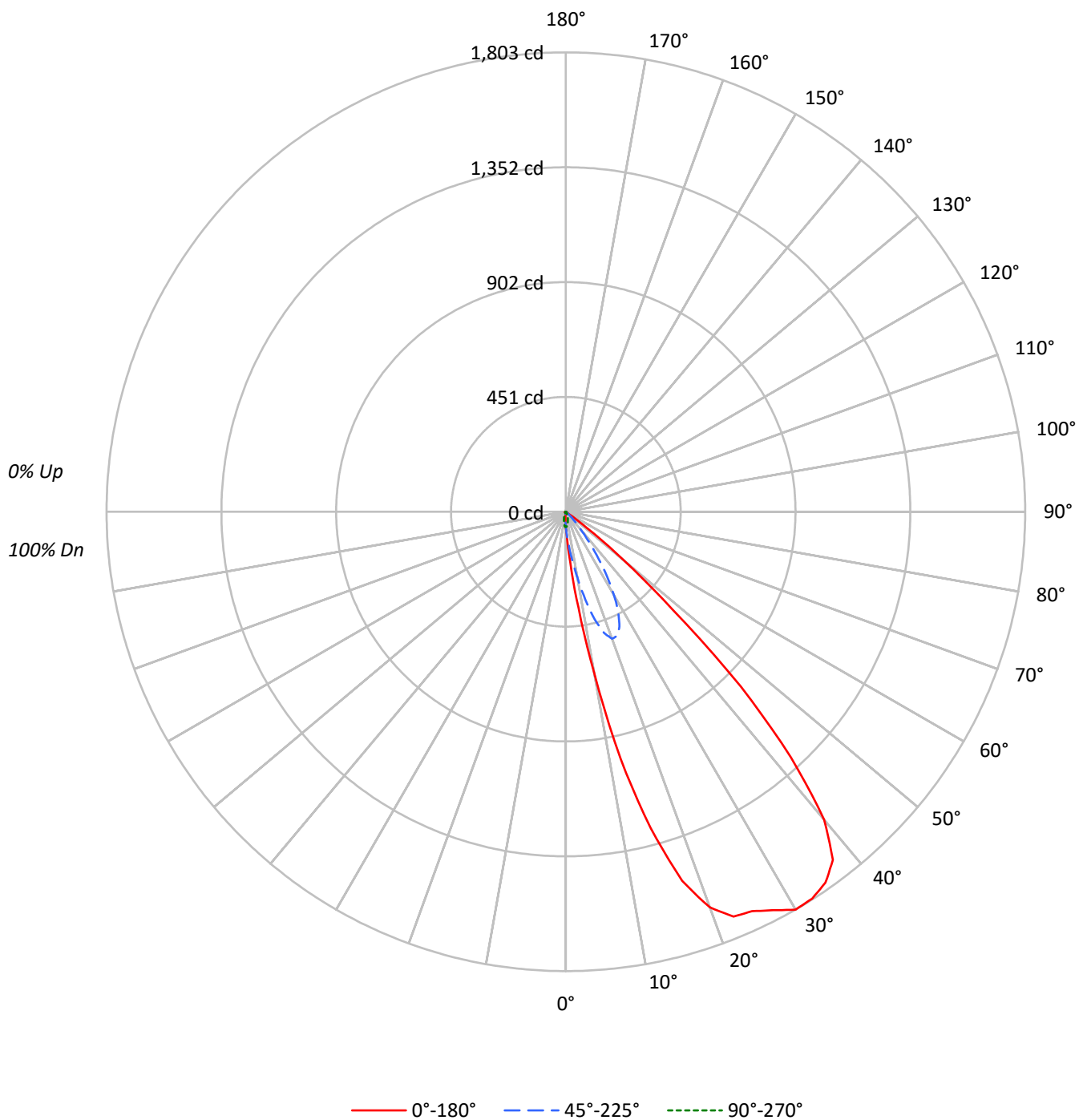
Lumens per Lamp: N/A
Luminaire Lumens: 566.9 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1316109

CATALOG NUMBER: P3SQAS09R359827DE010 E3SQCA301MW

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	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	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10264	10264	10264	10264	10264
5°	34939	22699	9595	4045	2991
10°	112413	46011	7572	1521	979
15°	229059	78041	5349	553	357
20°	302881	97209	3446	183	183
25°	328651	94500	1938	95	190
30°	358515	75310	815	99	199
35°	373563	46864	210	105	210
40°	354497	20481	112	225	337
45°	236643	8184	122	365	609
50°	79361	1366	268	536	831
55°	4444	150	300	751	1081
60°	344	172	517	861	1240
65°	408	204	611	1019	1467
70°	252	252	755	1259	1561
75°	333	333	998	1331	1664
80°	0	496	1488	1488	1488
85°	0	988	2964	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 236643 cd/sqm

TEST NUMBER: P1316109

CATALOG NUMBER: P3SQAS09R359827DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	1.8
10°-20°	81.4	14.4
20°-30°	171.9	30.3
30°-40°	195.0	34.4
40°-50°	96.0	16.9
50°-60°	8.3	1.5
60°-70°	1.7	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	263.6	46.5
0°-40°	458.7	80.9
0°-60°	562.9	99.3
0°-90°	566.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	202	131	56	23	17	33
15°	1285	438	30	3	2	365
25°	1730	497	10	0	1	805
35°	1777	223	1	0	1	1095
45°	972	34	0	2	2	718
55°	15	0	1	2	4	58
65°	1	0	2	2	4	1
75°	0	0	2	2	2	0
85°	0	0	2	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1316109

CATALOG NUMBER: P3SQAS09R359827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	103.3	105.9	104.8	104.3	103.8	101.8	97.2	96.7	92.1	89.1	73.8
5°	202.1	198.0	199.0	193.4	186.3	176.1	169.5	155.2	143.5	131.3	86.0
7.5°	380.7	375.1	364.4	348.1	331.3	309.5	276.4	249.9	219.4	190.4	95.7
10°	642.8	639.8	626.0	584.3	547.7	489.1	434.2	376.1	319.1	263.1	102.3
12.5°	993.0	972.1	947.2	891.7	819.4	746.2	637.7	537.5	446.4	352.7	102.8
15°	1284.7	1271.4	1236.3	1164.0	1077.0	971.1	842.4	707.5	570.1	437.7	97.7
17.5°	1519.3	1498.9	1453.6	1382.9	1282.6	1145.2	994.5	830.1	662.7	498.3	89.1
20°	1652.6	1642.0	1607.3	1536.6	1427.2	1277.0	1105.5	914.1	720.7	530.4	77.9
22.5°	1719.8	1712.2	1686.7	1630.2	1527.9	1376.8	1180.3	957.9	737.5	526.8	66.2
25°	1729.5	1727.5	1705.6	1662.8	1577.3	1427.7	1212.9	966.0	723.8	497.3	55.0
27.5°	1763.1	1756.0	1730.0	1687.3	1601.2	1436.3	1201.7	938.0	679.5	445.4	45.8
30°	1802.8	1797.7	1771.7	1727.5	1625.7	1428.2	1162.0	875.9	608.7	378.7	34.1
32.5°	1799.7	1797.7	1775.8	1729.0	1608.4	1380.3	1091.2	782.8	512.5	298.8	21.4
35°	1776.8	1769.7	1742.2	1669.9	1509.6	1257.2	956.9	656.6	405.7	222.9	13.7
37.5°	1721.9	1706.6	1660.3	1537.6	1333.0	1067.3	779.2	506.9	287.1	149.1	8.7
40°	1576.8	1557.5	1464.3	1316.2	1101.9	840.8	579.7	348.6	189.3	91.1	3.6
42.5°	1308.1	1268.9	1175.7	1023.5	822.5	594.5	380.7	226.0	111.5	55.0	1.0
45°	971.6	941.6	843.9	705.9	539.0	381.2	230.6	122.2	61.6	33.6	0.5
47.5°	566.0	547.7	497.3	406.7	297.8	200.0	118.1	65.7	36.1	16.3	0.5
50°	296.2	273.3	235.1	178.1	131.3	92.1	57.5	35.1	17.8	5.1	0.5
52.5°	103.8	102.3	93.1	70.2	57.0	41.2	28.0	15.3	5.1	1.0	0.5
55°	14.8	14.8	13.7	15.3	16.3	14.8	9.7	4.1	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.0	2.0	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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: P1316109

CATALOG NUMBER: P3SQAS09R359827DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	59.6	59.6	59.6	59.6	59.6
2.5°	59.0	47.3	37.7	33.1	31.6
5°	55.5	35.6	23.4	18.3	17.3
7.5°	49.4	25.4	14.3	10.2	9.7
10°	43.3	18.3	8.7	6.1	5.6
12.5°	36.1	12.7	5.6	3.6	3.1
15°	30.0	8.7	3.1	2.5	2.0
17.5°	23.9	5.6	2.0	1.5	2.0
20°	18.8	3.6	1.0	1.0	1.0
22.5°	14.3	2.0	1.0	1.0	1.0
25°	10.2	1.0	0.5	0.5	1.0
27.5°	7.1	0.5	0.5	0.5	1.0
30°	4.1	0.5	0.5	0.5	1.0
32.5°	2.0	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.0
45°	0.5	1.0	1.5	2.0	2.5
47.5°	1.0	1.0	2.0	2.5	3.1
50°	1.0	1.5	2.0	3.1	3.1
52.5°	1.0	1.5	2.5	3.1	3.6
55°	1.0	2.0	2.5	3.6	3.6
57.5°	1.5	2.0	2.5	3.6	3.6
60°	1.5	2.0	2.5	3.6	3.6
62.5°	1.5	2.0	2.5	3.6	3.6
65°	1.5	2.0	2.5	3.6	3.6
67.5°	1.5	2.0	2.5	3.1	3.6
70°	1.5	2.0	2.5	3.1	3.1
72.5°	2.0	2.0	2.5	3.1	3.1
75°	1.5	2.0	2.0	2.5	2.5
77.5°	1.5	1.5	1.5	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)