

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: P1309931

Luminaire Tested: P3SQAS05R359040DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359040DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

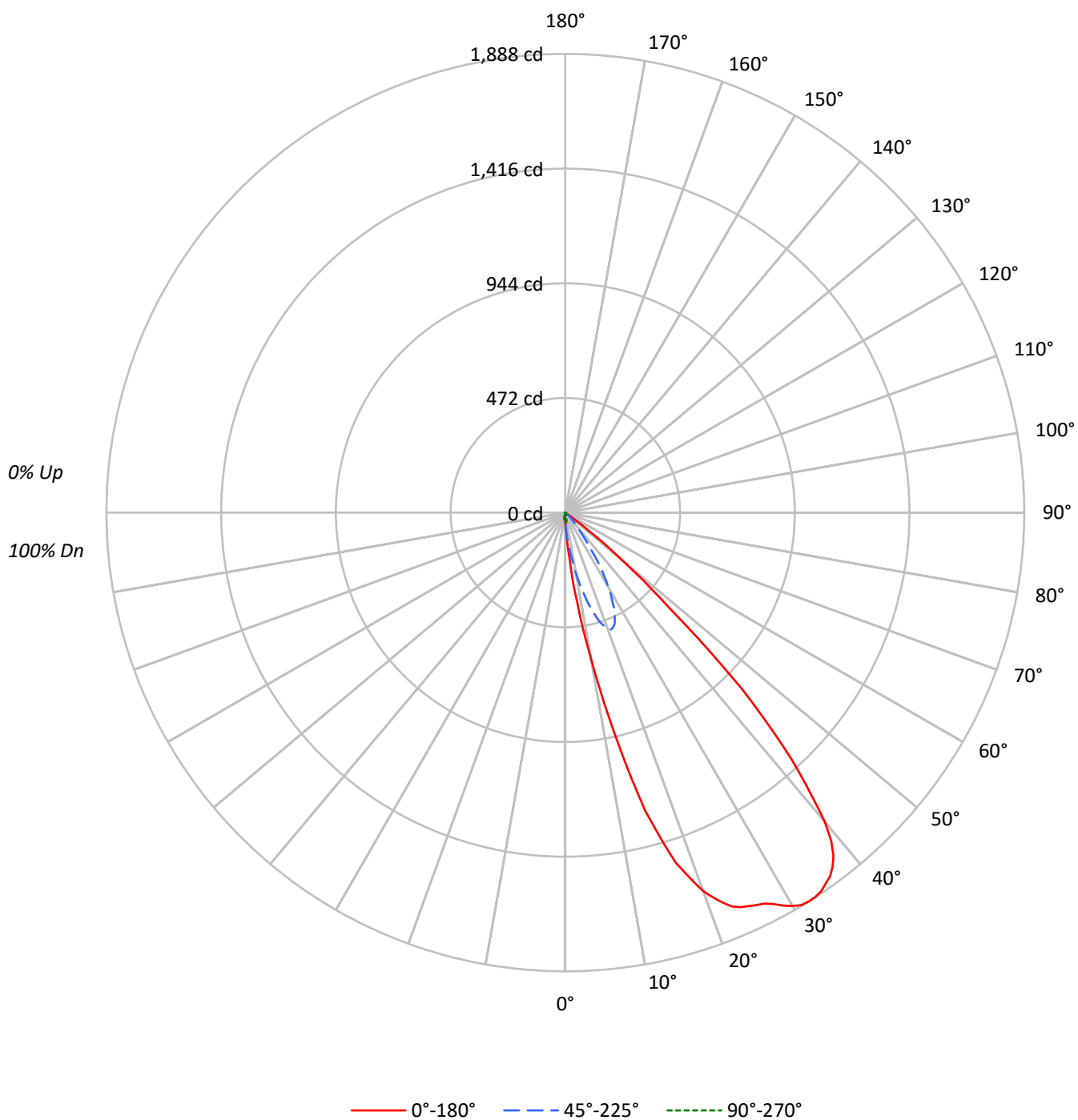
Lumens per Lamp: N/A
Luminaire Lumens: 564.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

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	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	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	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	46		55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7319	7319	7319	7319	7319
5°	31810	19726	6794	2420	1677
10°	107079	44507	5089	560	192
15°	226599	73013	3174	0	0
20°	303816	93287	1485	0	0
25°	339559	91612	304	0	0
30°	371720	70200	0	0	0
35°	392317	38244	0	0	0
40°	372933	17176	0	0	0
45°	250306	7599	0	0	0
50°	83621	723	0	0	0
55°	4534	0	0	0	0
60°	0	0	172	0	0
65°	0	0	448	0	0
70°	0	252	554	0	0
75°	0	333	732	0	0
80°	0	496	1091	0	0
85°	0	988	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 250306 cd/sqm

TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	1.6
10°-20°	78.3	13.9
20°-30°	171.7	30.4
30°-40°	198.6	35.2
40°-50°	98.0	17.4
50°-60°	7.2	1.3
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°	259.1	45.9
0°-40°	457.7	81.2
0°-60°	563.0	99.8
0°-90°	564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	564.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	184	114	39	14	10	32
15°	1271	410	18	0	0	359
25°	1787	482	2	0	0	826
35°	1866	182	0	0	0	1152
45°	1028	31	0	0	0	754
55°	15	0	0	0	0	62
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	

TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2.5°	84.5	86.6	85.6	85.6	85.0	82.3	77.5	75.9	69.9	55.4	43.0
5°	184.0	184.6	182.9	174.9	167.9	161.4	147.4	141.0	114.1	67.8	39.3
7.5°	373.4	365.3	355.1	343.8	319.1	296.5	266.9	235.7	176.5	78.6	35.0
10°	612.3	601.0	592.4	565.5	520.8	474.6	418.1	367.0	254.5	86.1	29.1
12.5°	920.6	914.2	883.5	829.7	763.5	696.8	598.3	517.1	333.1	87.7	23.7
15°	1270.9	1260.1	1213.3	1136.9	1047.1	942.1	810.3	673.6	409.5	82.9	17.8
17.5°	1510.3	1504.4	1464.0	1383.9	1280.6	1147.1	991.1	820.5	472.4	72.6	12.4
20°	1657.7	1649.1	1611.5	1543.7	1435.5	1296.2	1111.1	914.2	509.0	59.7	8.1
21°	1696.0	1687.3	1657.2	1586.7	1483.4	1333.8	1143.9	936.8	516.0	53.8	6.5
22°	1732.0	1723.4	1691.6	1629.2	1527.0	1371.0	1169.7	954.0	514.9	49.0	4.8
23°	1762.1	1753.0	1721.8	1664.2	1561.4	1403.8	1189.1	962.6	507.9	44.1	3.8
24°	1777.7	1772.4	1744.4	1690.0	1589.4	1426.9	1202.6	965.8	499.3	39.3	2.7
25°	1786.9	1780.4	1753.0	1702.9	1607.7	1445.2	1211.2	963.1	482.1	35.0	1.6
26°	1796.6	1786.9	1755.7	1707.3	1617.4	1453.8	1211.7	956.1	463.8	31.2	0.5
27°	1805.2	1796.0	1763.7	1710.5	1619.0	1451.1	1207.4	942.7	441.7	27.4	0.5
28°	1824.0	1813.8	1776.7	1717.5	1620.6	1444.1	1193.9	924.4	412.7	24.2	0.0
29°	1848.8	1838.0	1795.5	1734.2	1624.4	1436.6	1175.7	900.2	387.4	21.5	0.0
30°	1869.2	1859.5	1820.2	1755.1	1634.1	1429.6	1154.1	867.3	353.0	18.3	0.0
31°	1884.3	1874.6	1838.5	1772.9	1642.7	1423.2	1127.2	833.4	321.8	16.1	0.0
32°	1888.0	1880.0	1846.1	1780.4	1642.7	1413.5	1102.5	795.2	291.1	13.5	0.0
33°	1886.4	1878.4	1843.9	1775.0	1628.2	1390.3	1072.3	749.5	256.1	11.8	0.0
34°	1880.5	1870.8	1834.2	1757.8	1599.6	1351.1	1028.8	703.8	219.5	9.7	0.0
35°	1866.0	1857.4	1817.6	1725.5	1555.5	1291.3	970.7	651.0	181.9	8.1	0.0
36°	1852.0	1839.1	1790.1	1685.7	1497.4	1230.0	901.2	590.2	149.6	6.5	0.0
37°	1826.2	1807.9	1758.4	1628.2	1415.1	1143.4	822.1	523.5	125.4	4.8	0.0
38°	1791.7	1767.0	1704.0	1561.4	1332.2	1062.1	747.9	463.3	105.5	3.2	0.0
39°	1738.5	1709.4	1623.9	1470.0	1236.5	968.0	662.9	399.2	89.9	2.2	0.0
40°	1658.8	1631.4	1536.7	1361.3	1141.2	864.1	575.7	327.1	76.4	1.1	0.0
42.5°	1381.2	1343.5	1233.8	1059.4	843.7	621.5	380.9	181.9	50.6	0.0	0.0
45°	1027.7	994.3	886.7	728.0	562.3	380.4	203.9	107.1	31.2	0.0	0.0
47.5°	580.6	576.8	506.8	418.1	313.7	202.3	103.3	64.6	13.5	0.0	0.0
50°	312.1	292.7	252.3	191.5	130.7	88.2	56.0	35.5	2.7	0.0	0.0
52.5°	114.1	110.3	92.5	76.9	59.2	40.4	28.5	15.6	0.0	0.0	0.0
55°	15.1	14.0	14.5	15.6	16.1	14.0	9.1	3.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.5	1.1	1.1	1.1	0.0	0.0	0.0	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	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1



TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

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	0.0	0.5	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
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: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	42.5	42.5	42.5	42.5
2.5°	32.8	25.3	21.5	21.0
5°	22.6	14.0	10.2	9.7
7.5°	15.6	7.0	4.8	4.3
10°	9.1	3.2	1.6	1.1
12.5°	5.4	0.5	0.0	0.0
15°	1.6	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



TEST NUMBER: P1309931

CATALOG NUMBER: P3SQAS05R359040DE010 E3SQCA301MMS

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)