

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: P1308376

Luminaire Tested: P3SQAS20R609030D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609030D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

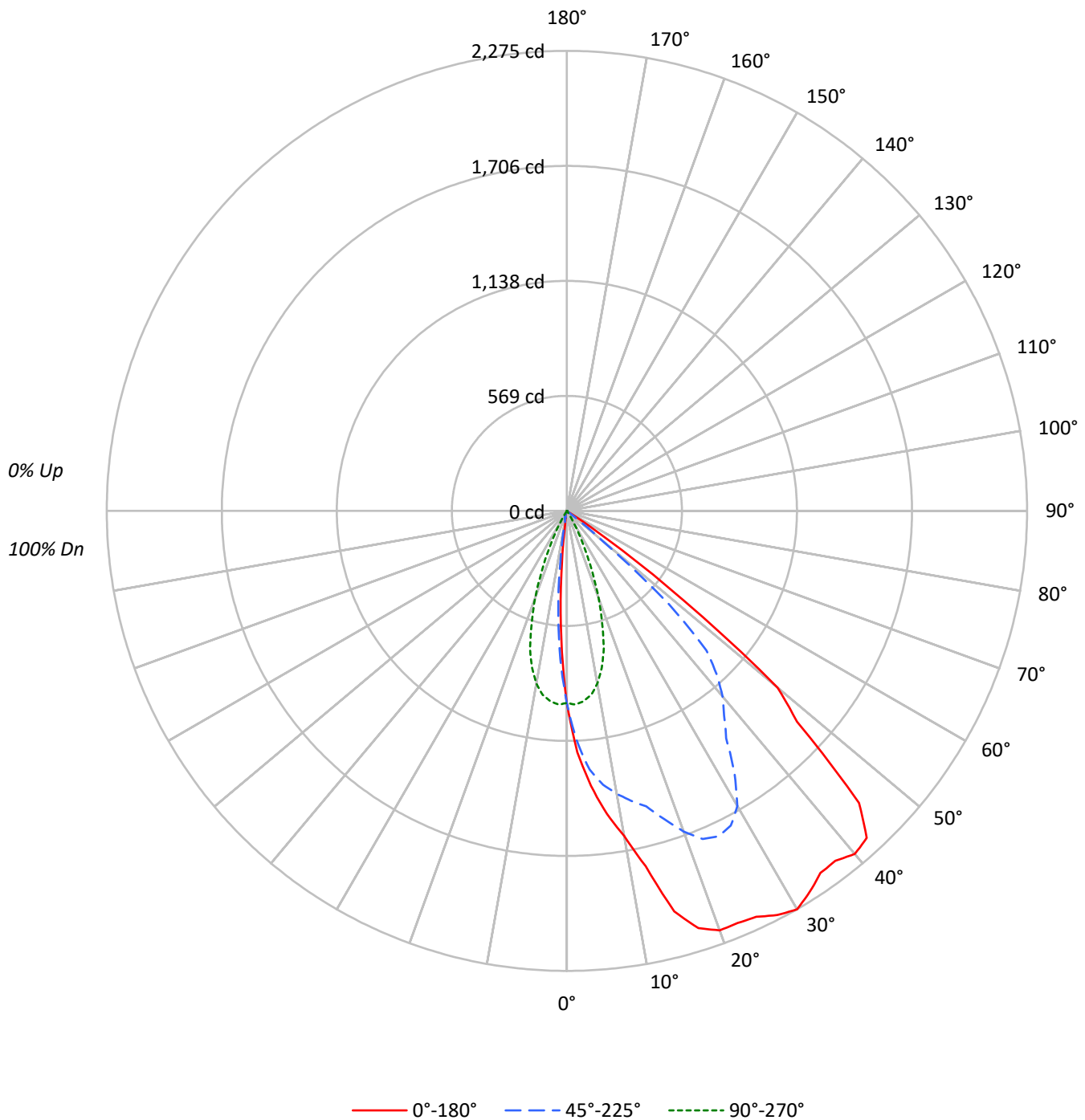
Lumens per Lamp: N/A
Luminaire Lumens: 1544.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1308376

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1308376

CATALOG NUMBER: P3SQAS20R609030D010 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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56		65	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	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	163612	163612	163612	163612	163612
5°	235826	222100	163355	84158	54060
10°	285263	248311	151638	10056	5911
15°	365582	269729	125682	6633	5420
20°	404599	309186	84270	3720	623
25°	420776	337278	41445	323	0
30°	452459	335148	11435	0	0
35°	459512	288582	0	0	0
40°	497820	269065	0	0	0
45°	497324	237544	0	0	0
50°	364118	57525	0	0	0
55°	71042	0	0	0	0
60°	0	0	0	0	0
65°	0	693	693	0	0
70°	0	856	856	0	0
75°	0	1131	1131	0	0
80°	0	1686	1686	1686	0
85°	0	3359	3359	3359	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 498152 cd/sqm

TEST NUMBER: P1308376

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	5.3
10°-20°	232.3	15.0
20°-30°	370.2	24.0
30°-40°	428.0	27.7
40°-50°	339.9	22.0
50°-60°	89.4	5.8
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	1.0	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°	684.1	44.3
0°-40°	1112.1	72.0
0°-60°	1541.4	99.8
0°-90°	1544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	950	950	950	950	950	
5°	1364	1285	945	487	313	138
15°	2050	1513	705	37	30	571
25°	2214	1775	218	2	0	1033
35°	2186	1373	0	0	0	1388
45°	2042	975	0	0	0	1454
55°	237	0	0	0	0	357
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308376

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0
2.5°	1195.1	1206.9	1201.8	1196.8	1184.9	1179.9	1179.9	1166.3	1144.4	1141.0	1125.8
5°	1364.1	1367.5	1367.5	1364.1	1355.6	1342.1	1338.7	1325.2	1304.9	1284.7	1264.4
7.5°	1511.2	1509.5	1499.3	1492.6	1477.4	1458.8	1441.9	1423.3	1392.8	1365.8	1337.1
10°	1631.2	1636.2	1627.8	1610.9	1590.6	1565.2	1538.2	1506.1	1460.4	1419.9	1382.7
12.5°	1800.2	1798.5	1776.5	1747.8	1698.8	1651.5	1609.2	1573.7	1517.9	1468.9	1423.3
15°	2050.4	2047.0	2026.7	2001.4	1930.4	1859.4	1786.7	1687.0	1594.0	1512.8	1448.6
17.5°	2163.6	2170.4	2153.5	2140.0	2099.4	2052.1	1987.8	1888.1	1744.4	1597.4	1462.1
20°	2207.6	2216.0	2204.2	2202.5	2183.9	2161.9	2109.5	2001.4	1861.1	1687.0	1519.6
22.5°	2205.9	2212.6	2207.6	2229.5	2251.5	2239.7	2175.5	2067.3	1923.6	1756.3	1566.9
25°	2214.3	2209.3	2190.7	2222.8	2254.9	2244.8	2212.6	2119.7	1962.5	1774.9	1583.8
27.5°	2253.2	2216.0	2178.8	2219.4	2234.6	2238.0	2219.4	2109.5	1955.7	1754.6	1550.0
30°	2275.2	2234.6	2204.2	2238.0	2238.0	2256.6	2217.7	2092.6	1898.2	1685.3	1460.4
32.5°	2234.6	2226.2	2253.2	2287.0	2295.5	2295.5	2209.3	2036.9	1801.9	1543.3	1316.8
35°	2185.6	2205.9	2283.6	2298.9	2298.9	2261.7	2156.9	1938.8	1658.2	1372.6	1210.3
37.5°	2180.5	2212.6	2298.9	2280.3	2249.8	2180.5	2028.4	1768.1	1453.7	1276.2	1130.8
40°	2214.3	2244.8	2295.5	2227.9	2155.2	2047.0	1864.4	1545.0	1330.3	1196.8	1034.5
42.5°	2194.1	2222.8	2224.5	2124.7	2021.6	1874.6	1632.9	1364.1	1240.7	1095.3	924.6
45°	2041.9	2045.3	2038.5	1932.1	1825.6	1673.4	1416.5	1274.5	1142.7	975.3	679.5
47.5°	1543.3	1536.5	1561.9	1531.4	1536.5	1445.2	1286.3	1169.7	1012.5	684.6	206.2
50°	1359.0	1350.6	1325.2	1298.2	1271.1	1227.2	1152.8	1027.7	730.2	214.7	6.8
52.5°	728.5	769.1	848.5	970.3	1015.9	1012.5	956.7	760.7	229.9	1.7	0.0
55°	236.6	233.3	260.3	307.6	422.6	486.8	507.1	258.6	5.1	0.0	0.0
57.5°	0.0	0.0	0.0	5.1	16.9	43.9	57.5	3.4	0.0	1.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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: P1308376

CATALOG NUMBER: P3SQAS20R609030D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0
2.5°	1105.5	1081.8	1054.8	958.4	845.2	735.3	655.8	635.6
5°	1232.3	1191.7	1134.2	944.9	698.1	486.8	348.2	312.7
7.5°	1298.2	1262.7	1201.8	917.9	540.9	240.0	89.6	60.9
10°	1338.7	1296.5	1228.9	867.1	353.3	57.5	32.1	33.8
12.5°	1367.5	1318.5	1242.4	794.5	179.2	28.7	40.6	42.3
15°	1379.3	1326.9	1240.7	704.9	64.2	37.2	35.5	30.4
17.5°	1372.6	1306.6	1218.7	576.4	22.0	35.5	18.6	15.2
20°	1364.1	1289.7	1183.2	459.8	18.6	20.3	6.8	3.4
22.5°	1391.1	1261.0	1134.2	329.6	18.6	6.8	0.0	0.0
25°	1394.5	1249.2	1071.7	218.1	8.5	1.7	0.0	0.0
27.5°	1360.7	1179.9	975.3	128.5	0.0	0.0	0.0	0.0
30°	1252.5	1093.6	872.2	57.5	0.0	0.0	0.0	0.0
32.5°	1146.0	997.3	757.3	13.5	0.0	0.0	0.0	0.0
35°	1061.5	897.6	630.5	0.0	0.0	0.0	0.0	0.0
37.5°	956.7	779.2	469.9	0.0	0.0	0.0	0.0	0.0
40°	846.9	628.8	235.0	0.0	0.0	0.0	0.0	0.0
42.5°	660.9	299.2	23.7	0.0	0.0	0.0	0.0	0.0
45°	253.6	27.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
65°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
67.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
70°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
72.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
75°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
82.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)