

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: P1316598

Luminaire Tested: P3SQAS20R609827D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316598
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: P3SQAS20R609827D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

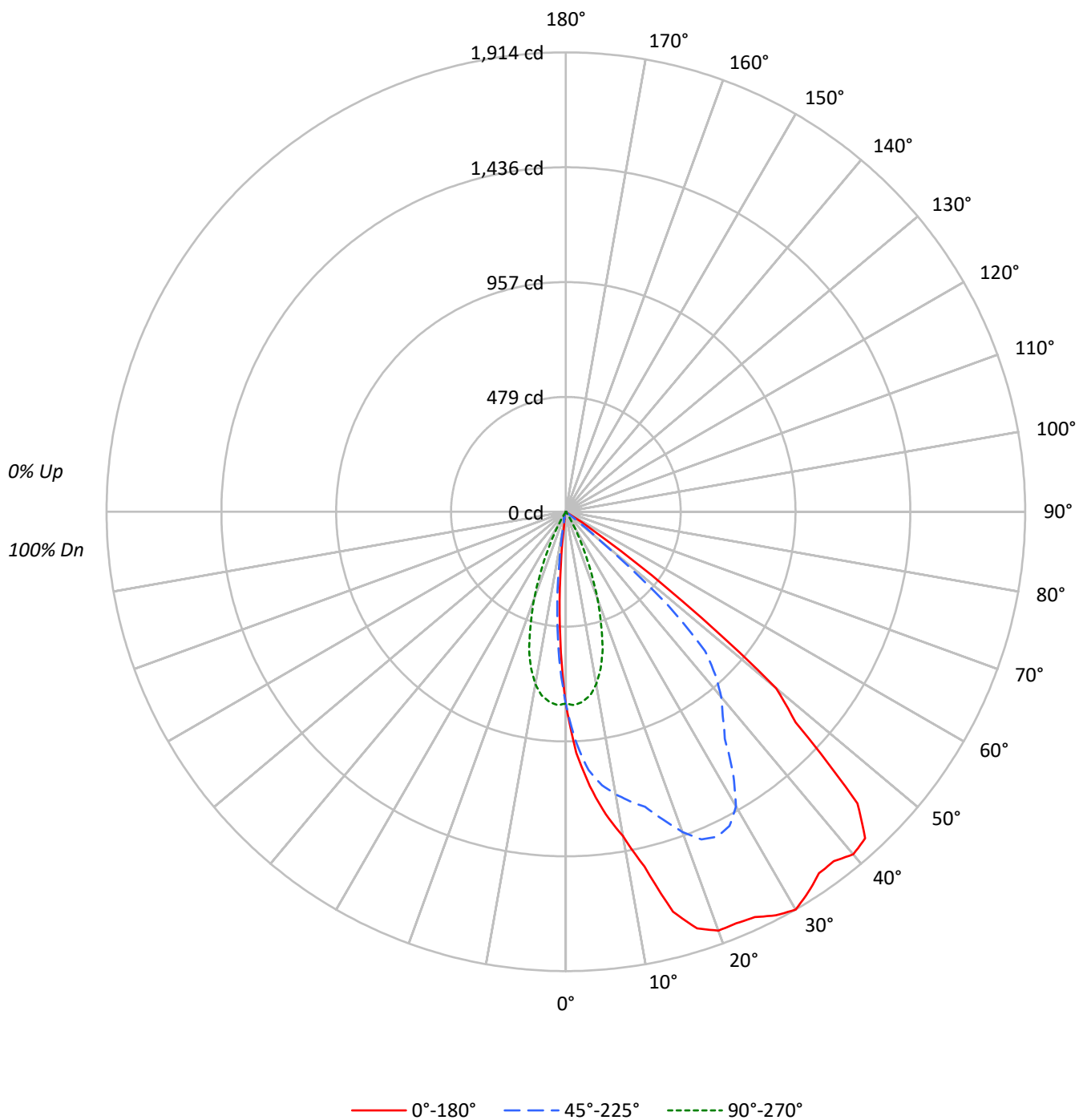
Lumens per Lamp: N/A
Luminaire Lumens: 1299.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1316598

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316598

CATALOG NUMBER: P3SQAS20R609827D010 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	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°	137640	137640	137640	137640	137640
5°	198398	186849	137440	70812	45485
10°	239987	208911	127575	8464	4967
15°	307564	226938	105731	5581	4564
20°	340398	260123	70891	3134	513
25°	354020	283748	34870	266	0
30°	380668	281952	9625	0	0
35°	386599	242791	0	0	0
40°	418841	226372	0	0	0
45°	418411	199865	0	0	0
50°	306352	48388	0	0	0
55°	59782	0	0	0	0
60°	0	0	0	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	1389	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 419117 cd/sqm

TEST NUMBER: P1316598

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	5.3
10°-20°	195.5	15.0
20°-30°	311.5	24.0
30°-40°	360.1	27.7
40°-50°	286.0	22.0
50°-60°	75.3	5.8
60°-70°	0.5	0.0
70°-80°	0.8	0.1
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°	575.6	44.3
0°-40°	935.6	72.0
0°-60°	1296.8	99.8
0°-90°	1299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	799	799	799	799	799	
5°	1148	1081	795	410	263	116
15°	1725	1273	593	31	26	481
25°	1863	1493	184	1	0	869
35°	1839	1155	0	0	0	1168
45°	1718	821	0	0	0	1223
55°	199	0	0	0	0	300
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: P1316598

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2
2.5°	1005.4	1015.4	1011.1	1006.9	996.9	992.6	992.6	981.3	962.8	959.9	947.1
5°	1147.6	1150.5	1150.5	1147.6	1140.5	1129.2	1126.3	1114.9	1097.9	1080.8	1063.7
7.5°	1271.4	1269.9	1261.4	1255.7	1242.9	1227.3	1213.1	1197.4	1171.8	1149.1	1124.9
10°	1372.3	1376.6	1369.5	1355.3	1338.2	1316.9	1294.1	1267.1	1228.7	1194.6	1163.3
12.5°	1514.6	1513.1	1494.6	1470.5	1429.2	1389.4	1353.9	1324.0	1277.1	1235.8	1197.4
15°	1725.0	1722.2	1705.1	1683.8	1624.1	1564.3	1503.2	1419.3	1341.1	1272.8	1218.8
17.5°	1820.3	1826.0	1811.8	1800.4	1766.3	1726.4	1672.4	1588.5	1467.6	1343.9	1230.1
20°	1857.3	1864.4	1854.4	1853.0	1837.4	1818.9	1774.8	1683.8	1565.7	1419.3	1278.5
22.5°	1855.9	1861.5	1857.3	1875.8	1894.3	1884.3	1830.3	1739.2	1618.4	1477.6	1318.3
25°	1863.0	1858.7	1843.1	1870.1	1897.1	1888.6	1861.5	1783.3	1651.1	1493.2	1332.5
27.5°	1895.7	1864.4	1833.1	1867.2	1880.0	1882.9	1867.2	1774.8	1645.4	1476.2	1304.1
30°	1914.2	1880.0	1854.4	1882.9	1882.9	1898.5	1865.8	1760.6	1597.0	1417.8	1228.7
32.5°	1880.0	1872.9	1895.7	1924.1	1931.2	1931.2	1858.7	1713.6	1516.0	1298.4	1107.8
35°	1838.8	1855.9	1921.3	1934.1	1934.1	1902.8	1814.6	1631.2	1395.1	1154.8	1018.2
37.5°	1834.5	1861.5	1934.1	1918.4	1892.8	1834.5	1706.5	1487.5	1223.0	1073.7	951.4
40°	1863.0	1888.6	1931.2	1874.3	1813.2	1722.2	1568.6	1299.8	1119.2	1006.9	870.3
42.5°	1845.9	1870.1	1871.5	1787.6	1700.8	1577.1	1373.8	1147.6	1043.8	921.5	777.9
45°	1717.9	1720.8	1715.1	1625.5	1535.9	1407.9	1191.7	1072.3	961.3	820.6	571.7
47.5°	1298.4	1292.7	1314.0	1288.4	1292.7	1215.9	1082.2	984.1	851.8	576.0	173.5
50°	1143.4	1136.3	1114.9	1092.2	1069.4	1032.5	969.9	864.6	614.4	180.6	5.7
52.5°	612.9	647.1	713.9	816.3	854.7	851.8	804.9	640.0	193.4	1.4	0.0
55°	199.1	196.3	219.0	258.8	355.5	409.6	426.6	217.6	4.3	0.0	0.0
57.5°	0.0	0.0	0.0	4.3	14.2	37.0	48.4	2.8	0.0	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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: P1316598

CATALOG NUMBER: P3SQAS20R609827D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	799.2	799.2	799.2	799.2	799.2	799.2	799.2	799.2
2.5°	930.1	910.2	887.4	806.3	711.1	618.6	551.8	534.7
5°	1036.7	1002.6	954.2	795.0	587.3	409.6	293.0	263.1
7.5°	1092.2	1062.3	1011.1	772.2	455.1	201.9	75.4	51.2
10°	1126.3	1090.8	1033.9	729.5	297.2	48.4	27.0	28.4
12.5°	1150.5	1109.2	1045.3	668.4	150.7	24.2	34.1	35.6
15°	1160.4	1116.4	1043.8	593.0	54.0	31.3	29.9	25.6
17.5°	1154.8	1099.3	1025.3	484.9	18.5	29.9	15.6	12.8
20°	1147.6	1085.1	995.5	386.8	15.6	17.1	5.7	2.8
22.5°	1170.4	1060.9	954.2	277.3	15.6	5.7	0.0	0.0
25°	1173.2	1050.9	901.6	183.5	7.1	1.4	0.0	0.0
27.5°	1144.8	992.6	820.6	108.1	0.0	0.0	0.0	0.0
30°	1053.8	920.1	733.8	48.4	0.0	0.0	0.0	0.0
32.5°	964.2	839.0	637.1	11.4	0.0	0.0	0.0	0.0
35°	893.1	755.1	530.4	0.0	0.0	0.0	0.0	0.0
37.5°	804.9	655.6	395.3	0.0	0.0	0.0	0.0	0.0
40°	712.5	529.0	197.7	0.0	0.0	0.0	0.0	0.0
42.5°	556.0	251.7	19.9	0.0	0.0	0.0	0.0	0.0
45°	213.3	22.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	11.4	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°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)