

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: P1313779

Luminaire Tested: P3SQAS20R609730D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313779
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: P3SQAS20R609730D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

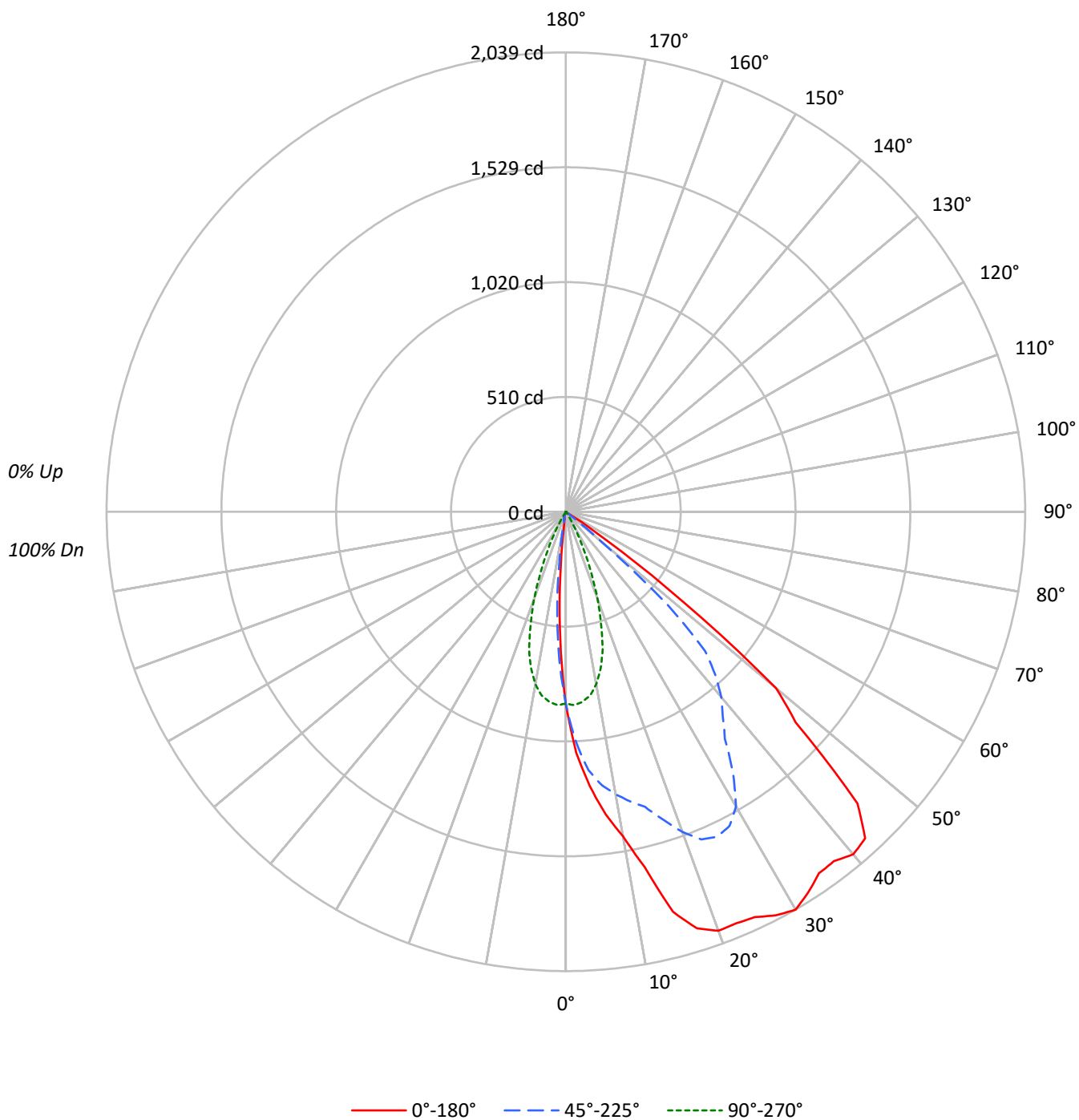
Lumens per Lamp: N/A
Luminaire Lumens: 1384.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313779

CATALOG NUMBER: P3SQAS20R609730D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313779

CATALOG NUMBER: P3SQAS20R609730D010 E3SQCA301MMS

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°	146648	146648	146648	146648	146648
5°	211381	199072	146430	75445	48458
10°	255691	222569	135934	9006	5299
15°	327694	241790	112649	5937	4868
20°	362666	277131	75528	3336	550
25°	377184	302313	37150	285	0
30°	405566	300406	10242	0	0
35°	411891	258664	0	0	0
40°	446247	241165	0	0	0
45°	445787	212944	0	0	0
50°	326393	51550	0	0	0
55°	63685	0	0	0	0
60°	0	0	0	0	0
65°	0	611	611	0	0
70°	0	755	755	0	0
75°	0	998	998	0	0
80°	0	1488	1488	1488	0
85°	0	2964	2964	2964	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 446542 cd/sqm

TEST NUMBER: P1313779

CATALOG NUMBER: P3SQAS20R609730D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	5.3
10°-20°	208.3	15.0
20°-30°	331.9	24.0
30°-40°	383.6	27.7
40°-50°	304.7	22.0
50°-60°	80.2	5.8
60°-70°	0.6	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	613.2	44.3
0°-40°	996.9	72.0
0°-60°	1381.7	99.8
0°-90°	1384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	852	852	852	852	852	
5°	1223	1152	847	436	280	124
15°	1838	1356	632	33	27	512
25°	1985	1591	196	2	0	926
35°	1959	1230	0	0	0	1244
45°	1830	874	0	0	0	1303
55°	212	0	0	0	0	320
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: P1313779

CATALOG NUMBER: P3SQAS20R609730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.5	851.5	851.5	851.5	851.5	851.5	851.5	851.5	851.5	851.5	851.5
2.5°	1071.2	1081.8	1077.3	1072.7	1062.1	1057.6	1057.6	1045.5	1025.8	1022.7	1009.1
5°	1222.7	1225.8	1225.8	1222.7	1215.2	1203.0	1200.0	1187.9	1169.7	1151.5	1133.3
7.5°	1354.6	1353.0	1344.0	1337.9	1324.3	1307.6	1292.4	1275.8	1248.5	1224.3	1198.5
10°	1462.1	1466.7	1459.1	1444.0	1425.8	1403.0	1378.8	1350.0	1309.1	1272.7	1239.4
12.5°	1613.7	1612.1	1592.4	1566.7	1522.7	1480.3	1442.4	1410.6	1360.6	1316.7	1275.8
15°	1837.9	1834.9	1816.7	1794.0	1730.3	1666.7	1601.5	1512.1	1428.8	1356.1	1298.5
17.5°	1939.4	1945.5	1930.3	1918.2	1881.8	1839.4	1781.8	1692.4	1563.7	1431.8	1310.6
20°	1978.8	1986.4	1975.8	1974.3	1957.6	1937.9	1890.9	1794.0	1668.2	1512.1	1362.1
22.5°	1977.3	1983.4	1978.8	1998.5	2018.2	2007.6	1950.0	1853.1	1724.3	1574.3	1404.6
25°	1984.9	1980.3	1963.7	1992.4	2021.2	2012.1	1983.4	1900.0	1759.1	1590.9	1419.7
27.5°	2019.7	1986.4	1953.1	1989.4	2003.1	2006.1	1989.4	1890.9	1753.1	1572.7	1389.4
30°	2039.4	2003.1	1975.8	2006.1	2006.1	2022.8	1987.9	1875.8	1701.5	1510.6	1309.1
32.5°	2003.1	1995.5	2019.7	2050.0	2057.6	2057.6	1980.3	1825.8	1615.2	1383.3	1180.3
35°	1959.1	1977.3	2047.0	2060.6	2060.6	2027.3	1933.4	1737.9	1486.4	1230.3	1084.9
37.5°	1954.6	1983.4	2060.6	2044.0	2016.7	1954.6	1818.2	1584.9	1303.0	1144.0	1013.6
40°	1984.9	2012.1	2057.6	1997.0	1931.8	1834.9	1671.2	1384.9	1192.4	1072.7	927.3
42.5°	1966.7	1992.4	1994.0	1904.6	1812.1	1680.3	1463.7	1222.7	1112.1	981.8	828.8
45°	1830.3	1833.4	1827.3	1731.8	1636.4	1500.0	1269.7	1142.4	1024.3	874.3	609.1
47.5°	1383.3	1377.3	1400.0	1372.7	1377.3	1295.5	1153.0	1048.5	907.6	613.6	184.9
50°	1218.2	1210.6	1187.9	1163.7	1139.4	1100.0	1033.3	921.2	654.6	192.4	6.1
52.5°	653.0	689.4	760.6	869.7	910.6	907.6	857.6	681.8	206.1	1.5	0.0
55°	212.1	209.1	233.3	275.8	378.8	436.4	454.6	231.8	4.5	0.0	0.0
57.5°	0.0	0.0	0.0	4.5	15.2	39.4	51.5	3.0	0.0	1.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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: P1313779

CATALOG NUMBER: P3SQAS20R609730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	851.5	851.5	851.5	851.5	851.5	851.5	851.5	851.5
2.5°	990.9	969.7	945.5	859.1	757.6	659.1	587.9	569.7
5°	1104.6	1068.2	1016.7	847.0	625.8	436.4	312.1	280.3
7.5°	1163.7	1131.8	1077.3	822.7	484.9	215.2	80.3	54.5
10°	1200.0	1162.1	1101.5	777.3	316.7	51.5	28.8	30.3
12.5°	1225.8	1181.8	1113.6	712.1	160.6	25.8	36.4	37.9
15°	1236.4	1189.4	1112.1	631.8	57.6	33.3	31.8	27.3
17.5°	1230.3	1171.2	1092.4	516.7	19.7	31.8	16.7	13.6
20°	1222.7	1156.1	1060.6	412.1	16.7	18.2	6.1	3.0
22.5°	1247.0	1130.3	1016.7	295.5	16.7	6.1	0.0	0.0
25°	1250.0	1119.7	960.6	195.5	7.6	1.5	0.0	0.0
27.5°	1219.7	1057.6	874.3	115.2	0.0	0.0	0.0	0.0
30°	1122.7	980.3	781.8	51.5	0.0	0.0	0.0	0.0
32.5°	1027.3	893.9	678.8	12.1	0.0	0.0	0.0	0.0
35°	951.5	804.6	565.2	0.0	0.0	0.0	0.0	0.0
37.5°	857.6	698.5	421.2	0.0	0.0	0.0	0.0	0.0
40°	759.1	563.6	210.6	0.0	0.0	0.0	0.0	0.0
42.5°	592.4	268.2	21.2	0.0	0.0	0.0	0.0	0.0
45°	227.3	24.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	12.1	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°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
65°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
70°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)