

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: P1317319

Luminaire Tested: P3SQAS17R559830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

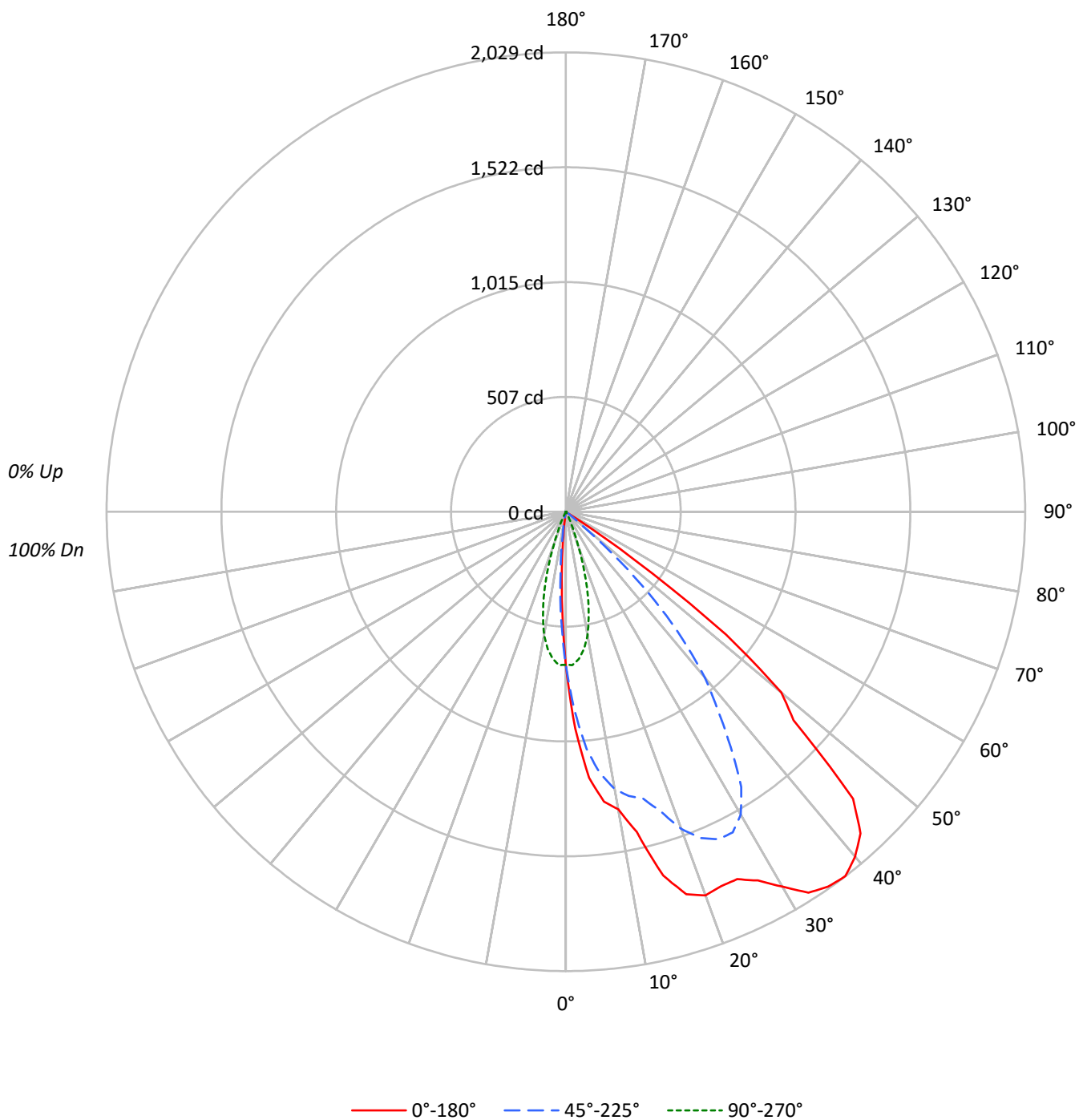
Lumens per Lamp: N/A
Luminaire Lumens: 1250.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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: P1317319

CATALOG NUMBER: P3SQAS17R559830DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317319

CATALOG NUMBER: P3SQAS17R559830DE010 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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	116319	116319	116319	116319	116319
5°	203895	181749	112908	46920	27004
10°	233359	217550	96551	5141	1854
15°	296581	233535	66184	1052	624
20°	330464	273209	29067	0	0
25°	340186	303131	8266	0	0
30°	380072	307188	1173	0	0
35°	424800	266738	0	0	0
40°	446854	214704	0	0	0
45°	436873	135614	0	0	0
50°	332663	27704	0	0	0
55°	108995	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	2281	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 436873 cd/sqm

TEST NUMBER: P1317319

CATALOG NUMBER: P3SQAS17R559830DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	4.9
10°-20°	180.9	14.5
20°-30°	294.1	23.5
30°-40°	349.6	28.0
40°-50°	285.8	22.9
50°-60°	75.8	6.1
60°-70°	0.5	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°	536.7	42.9
0°-40°	886.3	70.9
0°-60°	1247.9	99.8
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	675	675	675	675	675	
5°	1179	1051	653	271	156	116
15°	1663	1310	371	6	4	465
25°	1790	1595	44	0	0	843
35°	2020	1269	0	0	0	1256
45°	1794	557	0	0	0	1287
55°	363	0	0	0	0	408
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: P1317319

CATALOG NUMBER: P3SQAS17R559830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4
2.5°	958.5	951.5	952.7	949.1	952.7	937.4	921.0	905.7	893.9	877.5	777.6
5°	1179.4	1167.6	1164.1	1159.4	1154.7	1135.9	1120.7	1101.9	1079.5	1051.3	868.1
7.5°	1291.0	1281.6	1276.9	1279.2	1268.7	1261.6	1241.6	1220.5	1197.0	1166.5	936.2
10°	1334.4	1325.0	1323.9	1322.7	1321.5	1316.8	1307.4	1288.6	1267.5	1244.0	975.0
12.5°	1448.4	1427.2	1413.1	1396.7	1376.7	1350.9	1329.7	1313.3	1305.1	1286.3	992.6
15°	1663.4	1643.4	1628.1	1607.0	1569.4	1514.2	1463.7	1399.1	1342.7	1309.8	985.6
17.5°	1771.4	1762.0	1749.1	1735.0	1709.2	1669.2	1617.5	1549.4	1477.8	1385.0	951.5
20°	1803.1	1798.4	1789.0	1783.2	1765.6	1737.4	1702.1	1649.3	1582.3	1490.7	898.6
22.5°	1790.2	1793.7	1798.4	1813.7	1816.1	1796.1	1763.2	1712.7	1644.6	1560.0	817.6
25°	1790.2	1787.9	1787.9	1819.6	1839.6	1830.2	1806.7	1760.9	1691.6	1595.2	717.7
27.5°	1836.0	1821.9	1792.6	1825.5	1858.4	1854.8	1833.7	1779.7	1702.1	1596.4	595.6
30°	1911.2	1880.7	1832.5	1863.1	1893.6	1880.7	1846.6	1777.3	1678.6	1544.7	446.4
32.5°	1994.6	1980.5	1955.9	1975.8	1971.1	1919.4	1858.4	1762.0	1630.5	1441.3	300.7
35°	2020.5	2022.8	2006.4	2002.8	1975.8	1923.0	1858.4	1718.6	1529.4	1268.7	178.6
37.5°	2028.7	2029.9	2004.0	1971.1	1931.2	1868.9	1791.4	1629.3	1342.7	1101.9	95.1
40°	1987.6	1986.4	1944.1	1904.2	1859.5	1798.4	1685.7	1441.3	1165.3	955.0	34.1
42.5°	1926.5	1911.2	1871.3	1821.9	1767.9	1691.6	1515.3	1217.0	1012.6	764.7	2.3
45°	1793.7	1779.7	1747.9	1695.1	1635.2	1527.1	1248.7	1045.5	823.5	556.8	0.0
47.5°	1363.8	1356.8	1389.7	1396.7	1395.5	1272.2	1041.9	852.8	605.0	324.2	0.0
50°	1241.6	1232.2	1199.4	1157.1	1081.9	978.5	835.2	632.0	354.8	103.4	0.0
52.5°	891.6	922.1	929.2	897.5	827.0	724.8	575.6	364.2	123.3	0.0	0.0
55°	363.0	344.2	358.3	375.9	390.0	358.3	265.5	129.2	1.2	0.0	0.0
57.5°	0.0	1.2	7.0	16.4	27.0	34.1	36.4	2.3	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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: P1317319

CATALOG NUMBER: P3SQAS17R559830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	675.4	675.4	675.4	675.4	675.4
2.5°	677.8	573.2	472.2	417.0	390.0
5°	653.1	438.2	271.4	188.0	156.2
7.5°	612.0	300.7	108.1	44.6	31.7
10°	552.1	172.7	29.4	11.7	10.6
12.5°	466.4	78.7	10.6	8.2	8.2
15°	371.2	27.0	5.9	4.7	3.5
17.5°	260.8	7.0	2.3	0.0	0.0
20°	158.6	1.2	0.0	0.0	0.0
22.5°	88.1	0.0	0.0	0.0	0.0
25°	43.5	0.0	0.0	0.0	0.0
27.5°	18.8	0.0	0.0	0.0	0.0
30°	5.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	0.0	0.0	0.0
77.5°	2.3	1.2	1.2	0.0	0.0
80°	2.3	1.2	1.2	0.0	0.0
82.5°	2.3	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.3	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)