

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: P1309339

Luminaire Tested: P3SQAS17R559035DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309339
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: P3SQAS17R559035DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

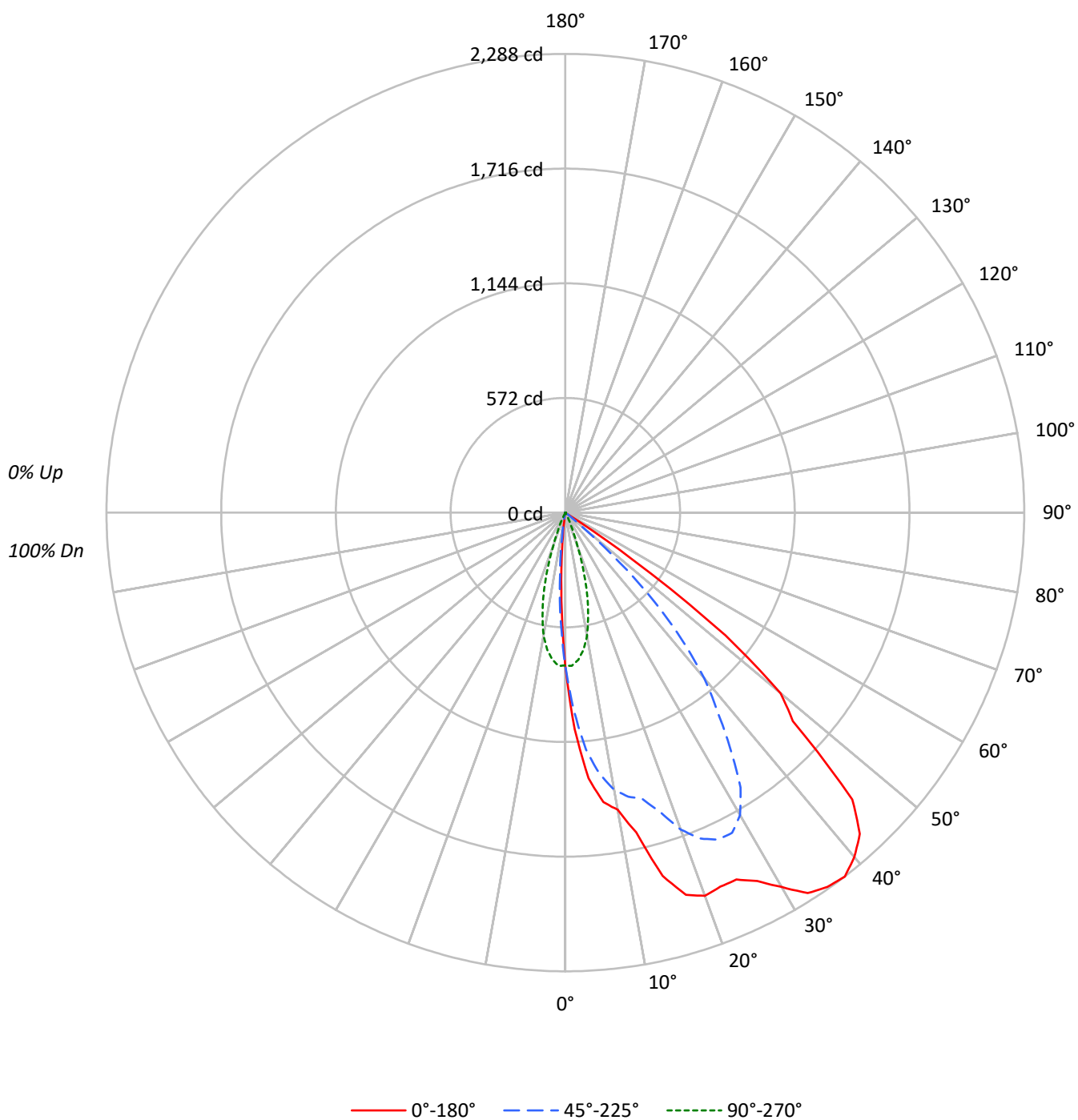
Lumens per Lamp: N/A
Luminaire Lumens: 1410.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1309339

CATALOG NUMBER: P3SQAS17R559035DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309339

CATALOG NUMBER: P3SQAS17R559035DE010 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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	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°	131216	131216	131216	131216	131216
5°	229983	205019	127361	52919	30462
10°	263246	245391	108915	5789	2081
15°	334541	263417	74653	1177	713
20°	372764	308178	32788	0	0
25°	383740	341934	9311	0	0
30°	428734	346503	1313	0	0
35°	479169	300882	0	0	0
40°	504048	242199	0	0	0
45°	492794	152980	0	0	0
50°	375264	31241	0	0	0
55°	122927	0	0	0	0
60°	0	0	0	0	0
65°	0	530	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	2678	1289	0
85°	0	2569	2569	2569	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 492794 cd/sqm

TEST NUMBER: P1309339

CATALOG NUMBER: P3SQAS17R559035DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	4.9
10°-20°	204.0	14.5
20°-30°	331.8	23.5
30°-40°	394.3	28.0
40°-50°	322.4	22.9
50°-60°	85.5	6.1
60°-70°	0.5	0.0
70°-80°	0.9	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°	605.4	42.9
0°-40°	999.7	70.9
0°-60°	1407.6	99.8
0°-90°	1410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1410.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	762	762	762	762	762	
5°	1330	1186	737	306	176	130
15°	1876	1477	419	7	4	525
25°	2019	1799	49	0	0	951
35°	2279	1431	0	0	0	1417
45°	2023	628	0	0	0	1452
55°	409	0	0	0	0	460
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: P1309339

CATALOG NUMBER: P3SQAS17R559035DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	761.9	761.9	761.9	761.9	761.9	761.9	761.9	761.9	761.9	761.9	761.9
2.5°	1081.2	1073.3	1074.6	1070.6	1074.6	1057.4	1038.8	1021.6	1008.4	989.8	877.2
5°	1330.3	1317.1	1313.1	1307.8	1302.5	1281.3	1264.1	1242.9	1217.7	1185.9	979.2
7.5°	1456.2	1445.6	1440.3	1443.0	1431.1	1423.1	1400.6	1376.7	1350.2	1315.8	1056.1
10°	1505.3	1494.7	1493.3	1492.0	1490.7	1485.4	1474.8	1453.6	1429.7	1403.2	1099.8
12.5°	1633.8	1609.9	1594.0	1575.5	1553.0	1523.8	1500.0	1481.4	1472.1	1450.9	1119.7
15°	1876.3	1853.7	1836.5	1812.7	1770.3	1708.0	1651.0	1578.1	1514.5	1477.4	1111.7
17.5°	1998.2	1987.6	1973.0	1957.1	1927.9	1882.9	1824.6	1747.7	1666.9	1562.2	1073.3
20°	2033.9	2028.6	2018.0	2011.4	1991.5	1959.7	1920.0	1860.4	1784.8	1681.5	1013.7
22.5°	2019.4	2023.3	2028.6	2045.9	2048.5	2026.0	1988.9	1931.9	1855.1	1759.7	922.2
25°	2019.4	2016.7	2016.7	2052.5	2075.0	2064.4	2037.9	1986.2	1908.1	1799.4	809.6
27.5°	2071.1	2055.1	2022.0	2059.1	2096.2	2092.3	2068.4	2007.4	1920.0	1800.7	671.8
30°	2155.9	2121.4	2067.1	2101.5	2136.0	2121.4	2083.0	2004.8	1893.5	1742.4	503.5
32.5°	2249.9	2234.0	2206.2	2228.7	2223.4	2165.1	2096.2	1987.6	1839.2	1625.8	339.2
35°	2279.1	2281.7	2263.2	2259.2	2228.7	2169.1	2096.2	1938.5	1725.2	1431.1	201.4
37.5°	2288.4	2289.7	2260.5	2223.4	2178.4	2108.2	2020.7	1837.8	1514.5	1242.9	107.3
40°	2242.0	2240.7	2193.0	2147.9	2097.6	2028.6	1901.4	1625.8	1314.4	1077.3	38.4
42.5°	2173.1	2155.9	2110.8	2055.1	1994.2	1908.1	1709.3	1372.7	1142.2	862.6	2.7
45°	2023.3	2007.4	1971.7	1912.0	1844.5	1722.6	1408.5	1179.3	928.9	628.1	0.0
47.5°	1538.4	1530.4	1567.5	1575.5	1574.2	1435.0	1175.3	962.0	682.4	365.7	0.0
50°	1400.6	1390.0	1352.9	1305.2	1220.4	1103.8	942.1	712.9	400.2	116.6	0.0
52.5°	1005.7	1040.2	1048.1	1012.3	932.8	817.6	649.3	410.8	139.1	0.0	0.0
55°	409.4	388.2	404.1	424.0	439.9	404.1	299.5	145.8	1.3	0.0	0.0
57.5°	0.0	1.3	8.0	18.6	30.5	38.4	41.1	2.7	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	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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: P1309339

CATALOG NUMBER: P3SQAS17R559035DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	761.9	761.9	761.9	761.9	761.9
2.5°	764.6	646.6	532.7	470.4	439.9
5°	736.7	494.2	306.1	212.0	176.2
7.5°	690.4	339.2	121.9	50.4	35.8
10°	622.8	194.8	33.1	13.3	11.9
12.5°	526.0	88.8	11.9	9.3	9.3
15°	418.7	30.5	6.6	5.3	4.0
17.5°	294.2	8.0	2.7	0.0	0.0
20°	178.9	1.3	0.0	0.0	0.0
22.5°	99.4	0.0	0.0	0.0	0.0
25°	49.0	0.0	0.0	0.0	0.0
27.5°	21.2	0.0	0.0	0.0	0.0
30°	6.6	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°	1.3	0.0	0.0	0.0	0.0
65°	1.3	1.3	0.0	0.0	0.0
67.5°	1.3	1.3	0.0	0.0	0.0
70°	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	0.0	0.0	0.0
77.5°	2.7	1.3	1.3	0.0	0.0
80°	2.7	1.3	1.3	0.0	0.0
82.5°	2.7	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	0.0	0.0
87.5°	2.7	1.3	1.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)