

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: P1312647

Luminaire Tested: P3SQAS17R559727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

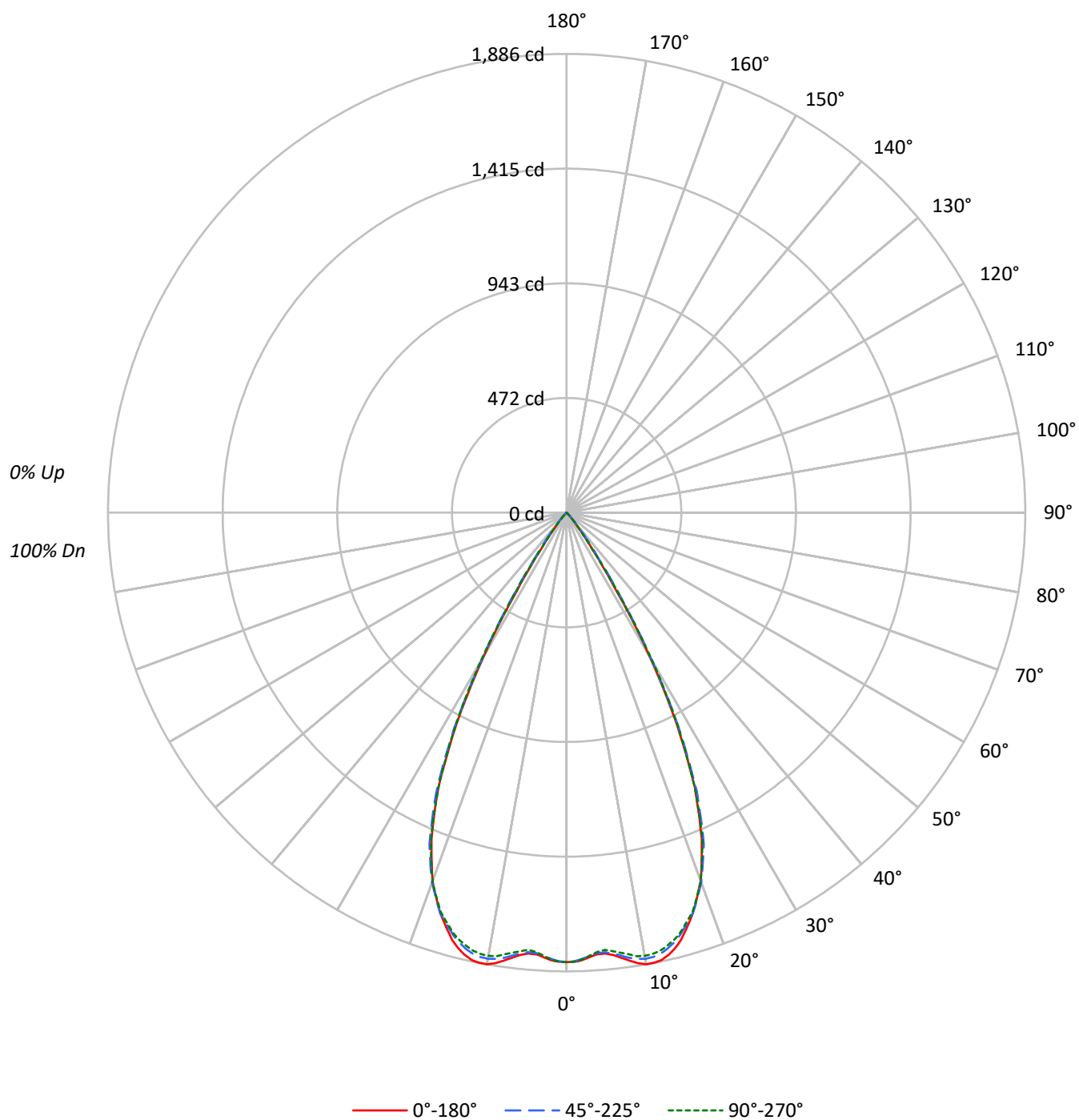
Lumens per Lamp: N/A
Luminaire Lumens: 1405.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312647

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312647

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCD1MMS

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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	318285	318285	318285
5°	314643	313709	312032
10°	329788	325835	323562
15°	324306	320847	319688
20°	295403	296595	295605
25°	236982	240688	236982
30°	136024	139445	140518
35°	38790	46716	39926
40°	9937	14321	10184
45°	1047	4993	779
50°	0	857	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4993 cd/sqm

TEST NUMBER: P1312647

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	12.5
10°-20°	500.7	35.6
20°-30°	551.5	39.3
30°-40°	164.6	11.7
40°-50°	12.6	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1227.6	87.4
0°-40°	1392.3	99.1
0°-60°	1405.0	100.0
0°-90°	1405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1820	1817	1815	1807	1805	177
15°	1819	1806	1800	1792	1793	504
25°	1247	1247	1267	1264	1247	546
35°	184	196	222	203	190	152
45°	4	11	20	11	3	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312647

CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1848.1	1848.1	1848.1	1848.1	1848.1
1°	1847.0	1847.0	1844.8	1843.7	1847.0
2°	1841.6	1841.6	1836.2	1835.1	1838.4
3°	1829.7	1828.6	1824.3	1821.1	1823.2
4°	1820.0	1817.9	1814.6	1809.2	1810.3
5°	1820.0	1816.8	1814.6	1807.1	1804.9
6°	1828.6	1826.5	1822.2	1814.6	1812.5
7°	1843.7	1839.4	1835.1	1825.4	1823.2
8°	1859.9	1856.7	1848.1	1838.4	1834.0
9°	1876.1	1868.6	1857.8	1848.1	1847.0
10°	1885.8	1875.0	1863.2	1851.3	1850.2
11°	1884.7	1875.0	1861.0	1850.2	1849.1
12°	1880.4	1866.4	1854.5	1841.6	1842.7
13°	1865.3	1852.4	1840.5	1830.8	1828.6
14°	1844.8	1833.0	1822.2	1812.5	1813.5
15°	1818.9	1806.0	1799.5	1792.0	1793.0
17.5°	1727.2	1724.0	1727.2	1718.6	1721.8
20°	1611.8	1608.6	1618.3	1614.0	1612.9
22.5°	1451.0	1455.4	1473.7	1468.3	1458.6
25°	1247.1	1247.1	1266.6	1264.4	1247.1
27.5°	981.7	989.3	1001.2	1006.6	993.6
30°	684.0	701.2	701.2	712.0	706.6
32.5°	381.9	418.6	427.2	432.6	411.0
35°	184.5	196.3	222.2	202.8	189.9
37.5°	88.5	93.9	119.8	97.1	90.6
40°	44.2	50.7	63.7	52.9	45.3
42.5°	18.3	27.0	33.4	27.0	18.3
45°	4.3	10.8	20.5	10.8	3.2
47.5°	0.0	1.1	9.7	2.2	0.0
50°	0.0	0.0	3.2	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°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312647
CATALOG NUMBER: P3SQAS17R559727DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)