

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: P1316451

Luminaire Tested: P3SQAS17R559827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R559827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

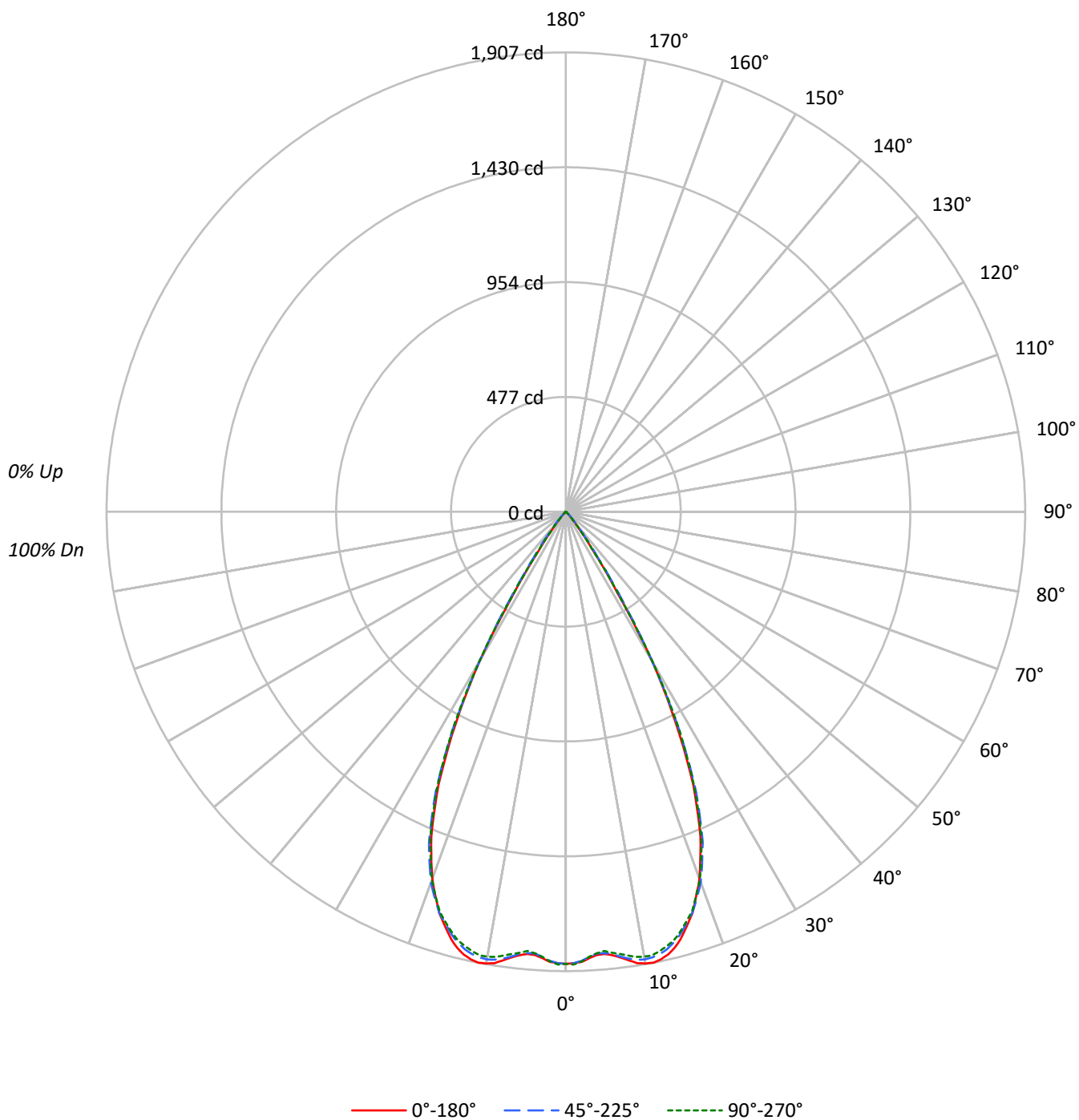
Lumens per Lamp: N/A
Luminaire Lumens: 1439.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316451

CATALOG NUMBER: P3SQAS17R559827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316451

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	323176	323176	323176
5°	318550	317979	316458
10°	332936	330067	327969
15°	327747	324823	323450
20°	297200	300205	297988
25°	237647	242645	240365
30°	142527	142527	144257
35°	41187	48777	42554
40°	11803	15985	11803
45°	2655	6138	2655
50°	1179	2063	884
55°	991	991	991
60°	1137	1137	1137
65°	897	897	897
70°	1108	1108	1108
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6138 cd/sqm

TEST NUMBER: P1316451

CATALOG NUMBER: P3SQAS17R559827DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	12.4
10°-20°	507.1	35.2
20°-30°	558.7	38.8
30°-40°	170.9	11.9
40°-50°	16.9	1.2
50°-60°	3.2	0.2
60°-70°	2.5	0.2
70°-80°	1.4	0.1
80°-90°	0.4	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°	1243.8	86.4
0°-40°	1414.7	98.3
0°-60°	1434.7	99.7
0°-90°	1439.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1876	1876	1876	1876	1876	
5°	1843	1843	1839	1834	1830	179
15°	1838	1835	1822	1814	1814	509
25°	1251	1263	1277	1289	1265	551
35°	196	206	232	213	202	161
45°	11	16	25	16	11	13
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316451

CATALOG NUMBER: P3SQAS17R559827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1876.5	1876.5	1876.5	1876.5	1876.5
1°	1874.3	1875.4	1874.3	1872.1	1879.8
2°	1869.9	1868.8	1865.6	1864.5	1867.7
3°	1855.7	1855.7	1851.3	1849.1	1850.2
4°	1844.8	1844.8	1838.2	1836.0	1837.1
5°	1842.6	1842.6	1839.3	1833.8	1830.5
6°	1851.3	1853.5	1845.9	1840.4	1840.4
7°	1864.5	1865.6	1860.1	1852.4	1850.2
8°	1880.9	1882.0	1873.2	1864.5	1860.1
9°	1897.3	1895.1	1883.1	1874.3	1871.0
10°	1903.8	1902.8	1887.4	1878.7	1875.4
11°	1907.1	1901.7	1884.2	1876.5	1875.4
12°	1899.5	1895.1	1876.5	1868.8	1865.6
13°	1886.3	1879.8	1864.5	1856.8	1852.4
14°	1865.6	1859.0	1844.8	1836.0	1837.1
15°	1838.2	1834.9	1821.8	1814.1	1814.1
17.5°	1747.4	1749.6	1746.3	1743.0	1740.8
20°	1621.6	1630.3	1638.0	1633.6	1625.9
22.5°	1460.7	1476.0	1484.8	1487.0	1472.7
25°	1250.6	1262.7	1276.9	1288.9	1264.9
27.5°	989.1	1000.1	1013.2	1020.9	1017.6
30°	716.7	717.8	716.7	730.9	725.4
32.5°	398.3	431.1	436.6	446.4	411.4
35°	195.9	205.7	232.0	213.4	202.4
37.5°	94.1	100.7	125.8	102.9	98.5
40°	52.5	56.9	71.1	59.1	52.5
42.5°	25.2	32.8	38.3	33.9	25.2
45°	10.9	16.4	25.2	16.4	10.9
47.5°	4.4	6.6	15.3	6.6	4.4
50°	4.4	3.3	7.7	3.3	3.3
52.5°	3.3	3.3	4.4	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.2	3.3	3.3	3.3	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.1	2.2	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
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: P1316451

CATALOG NUMBER: P3SQAS17R559827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)