

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: P1312814

Luminaire Tested: P3SQAS20R609727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

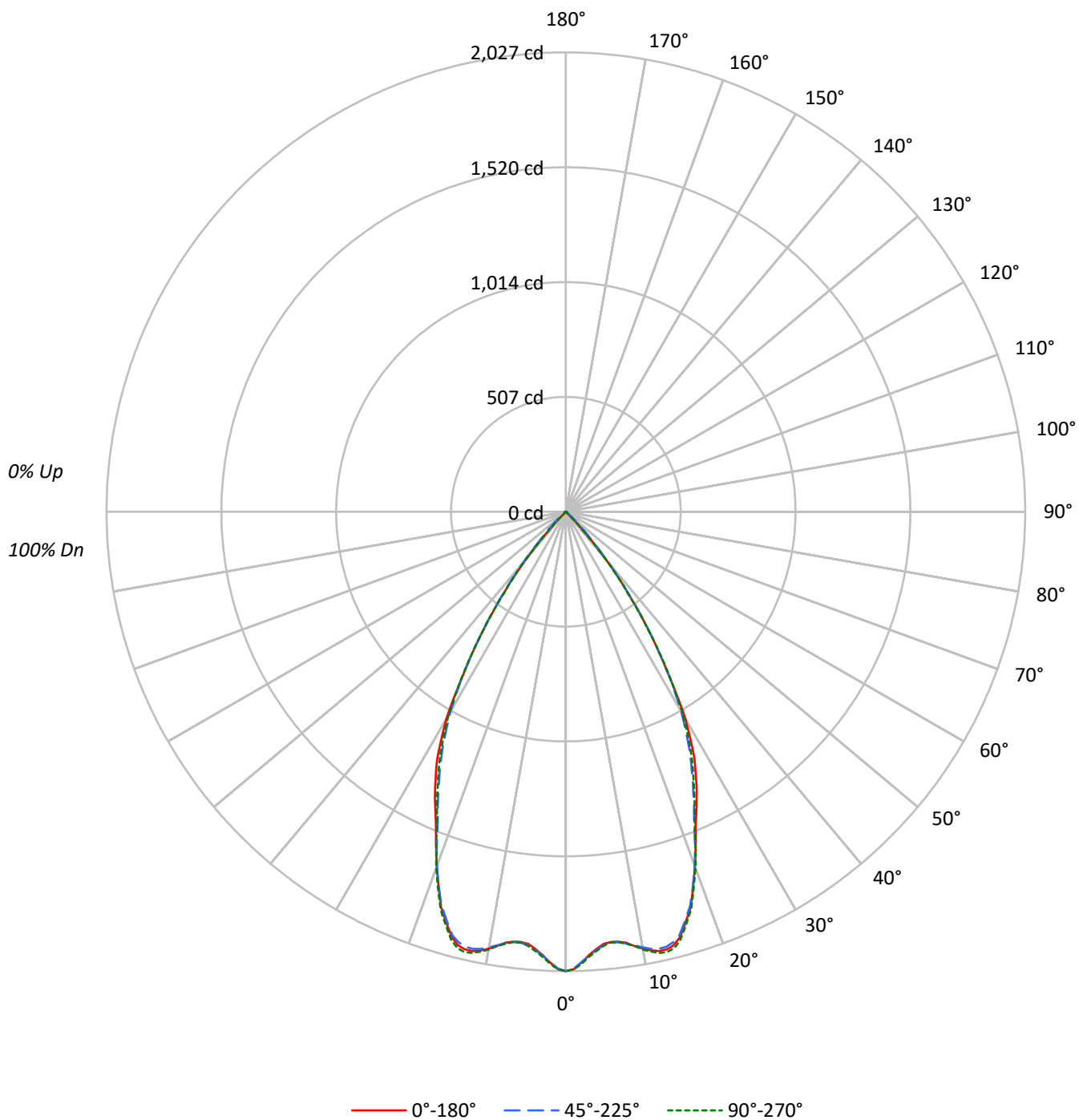
Lumens per Lamp: N/A
Luminaire Lumens: 1808.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312814

CATALOG NUMBER: P3SQAS20R609727D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312814

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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	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	349095	349095	349095
5°	330876	331844	332345
10°	342362	341382	343113
15°	346540	345024	348555
20°	305135	304879	306437
25°	259652	252127	254275
30°	209565	202246	205627
35°	132644	133821	132349
40°	62006	64569	62972
45°	3800	22748	4481
50°	1902	5305	1902
55°	2132	2132	2132
60°	1963	1963	1963
65°	1712	2323	1712
70°	2115	2115	2115
75°	1863	1863	1863
80°	1389	1389	1389
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22748 cd/sqm

TEST NUMBER: P1312814

CATALOG NUMBER: P3SQAS20R609727D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	10.2
10°-20°	532.1	29.4
20°-30°	613.3	33.9
30°-40°	393.9	21.8
40°-50°	68.5	3.8
50°-60°	6.5	0.4
60°-70°	5.0	0.3
70°-80°	3.0	0.2
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°	1330.2	73.6
0°-40°	1724.0	95.4
0°-60°	1799.1	99.5
0°-90°	1808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2027	2027	2027	2027	2027	
5°	1914	1918	1920	1924	1922	185
15°	1944	1936	1935	1948	1955	533
25°	1366	1351	1327	1328	1338	623
35°	631	627	636	624	630	394
45°	16	47	93	55	18	52
55°	7	7	7	7	7	6
65°	4	6	6	6	4	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1312814

CATALOG NUMBER: P3SQAS20R609727D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2027.0	2027.0	2027.0	2027.0	2027.0
1°	2018.5	2017.1	2015.7	2017.1	2018.5
2°	1990.2	1988.8	1987.4	1993.1	1995.9
3°	1959.1	1960.5	1962.0	1964.8	1966.2
4°	1933.7	1936.5	1937.9	1940.7	1942.2
5°	1913.9	1918.1	1919.5	1923.8	1922.4
6°	1908.2	1911.0	1912.4	1913.9	1911.0
7°	1911.0	1912.4	1913.9	1916.7	1913.9
8°	1920.9	1922.4	1923.8	1925.2	1925.2
9°	1940.7	1937.9	1936.5	1942.2	1940.7
10°	1957.7	1953.5	1952.1	1960.5	1962.0
11°	1971.9	1966.2	1964.8	1974.7	1977.5
12°	1981.8	1973.3	1971.9	1984.6	1990.2
13°	1981.8	1970.4	1970.4	1984.6	1993.1
14°	1970.4	1957.7	1957.7	1973.3	1983.2
15°	1943.6	1936.5	1935.1	1947.8	1954.9
17.5°	1830.4	1821.9	1823.3	1837.5	1838.9
20°	1664.9	1660.7	1663.5	1666.3	1672.0
22.5°	1496.6	1493.7	1478.2	1482.4	1485.3
25°	1366.4	1350.9	1326.8	1328.2	1338.1
27.5°	1229.2	1213.7	1179.7	1186.8	1196.7
30°	1053.8	1041.1	1017.0	1021.3	1034.0
32.5°	827.5	853.0	830.3	837.4	833.2
35°	630.9	626.6	636.5	623.8	629.5
37.5°	444.2	445.6	449.8	438.5	438.5
40°	275.8	282.9	287.2	281.5	280.1
42.5°	116.0	158.4	166.9	158.4	117.4
45°	15.6	46.7	93.4	55.2	18.4
47.5°	7.1	9.9	49.5	9.9	7.1
50°	7.1	7.1	19.8	7.1	7.1
52.5°	7.1	7.1	7.1	7.1	7.1
55°	7.1	7.1	7.1	7.1	7.1
57.5°	7.1	7.1	7.1	7.1	7.1
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7
65°	4.2	5.7	5.7	5.7	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	4.2	4.2	4.2	4.2	4.2
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312814

CATALOG NUMBER: P3SQAS20R609727D010 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)