

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: P1307101

Luminaire Tested: P3SQAS17R509027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R509027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

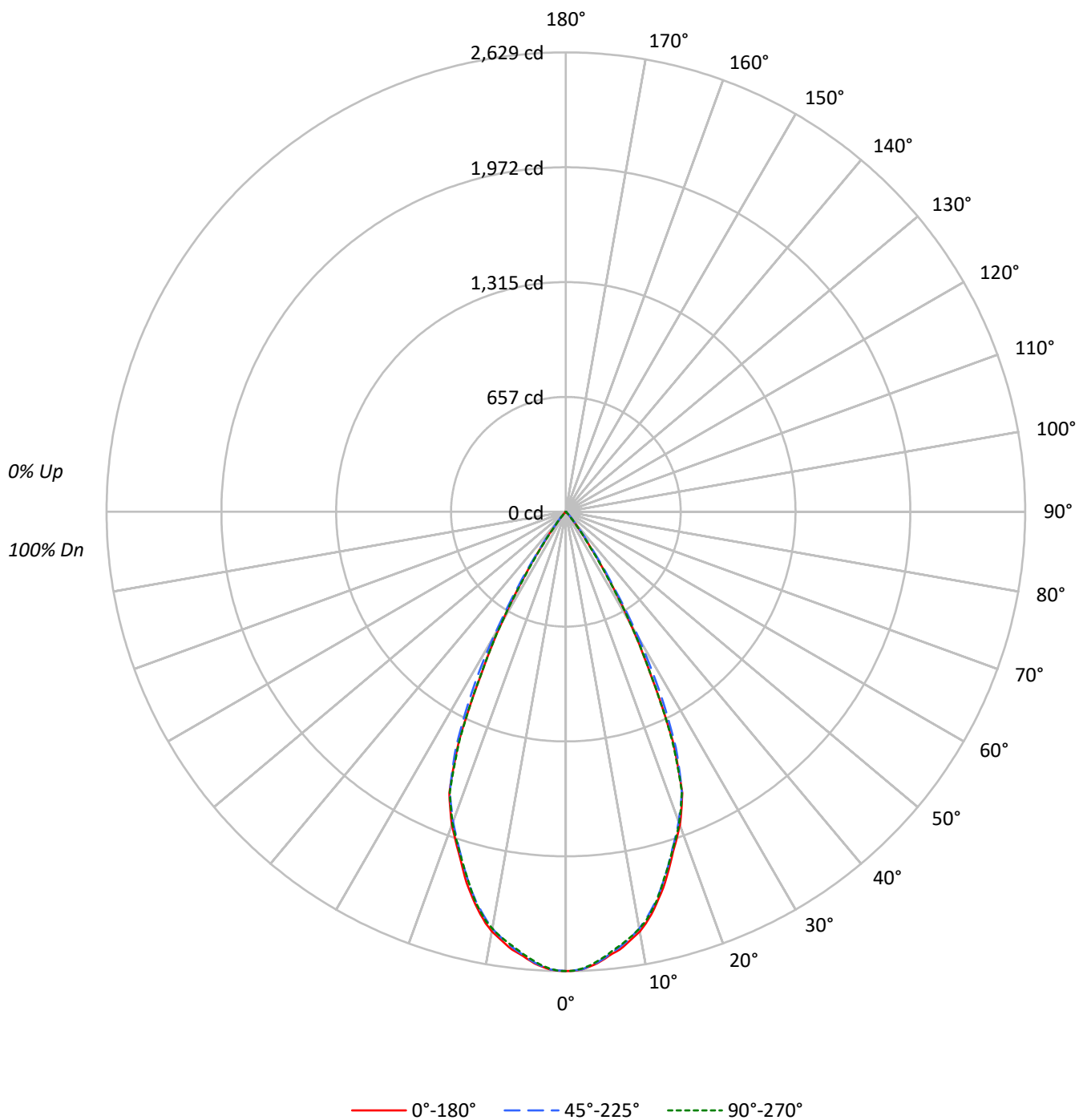
Lumens per Lamp: N/A
Luminaire Lumens: 1694.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307101

CATALOG NUMBER: P3SQAS17R509027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307101

CATALOG NUMBER: P3SQAS17R509027DE010 E3SQCD1MW

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	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	452704	452704	452704
5°	443836	443006	441762
10°	426461	423523	423733
15°	391489	387852	387424
20°	349745	346006	347765
25°	274893	282893	272612
30°	147061	164760	147538
35°	48041	56135	45245
40°	11893	14861	11353
45°	1461	5261	1461
50°	965	1608	965
55°	1081	1081	1081
60°	827	827	827
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5261 cd/sqm

TEST NUMBER: P1307101

CATALOG NUMBER: P3SQAS17R509027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.4	14.2
10°-20°	607.9	35.9
20°-30°	639.4	37.7
30°-40°	184.3	10.9
40°-50°	15.0	0.9
50°-60°	3.2	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.3	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°	1487.6	87.8
0°-40°	1671.9	98.7
0°-60°	1690.1	99.8
0°-90°	1694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2629	2629	2629	2629	2629	
5°	2567	2566	2562	2565	2555	241
15°	2196	2181	2175	2175	2173	611
25°	1447	1483	1489	1472	1435	627
35°	228	237	267	228	215	177
45°	6	12	22	12	6	11
55°	4	4	4	4	4	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: P1307101

CATALOG NUMBER: P3SQAS17R509027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2628.6	2628.6	2628.6	2628.6	2628.6
1°	2627.4	2629.8	2625.0	2633.4	2626.2
2°	2621.4	2622.6	2620.2	2626.2	2616.6
3°	2607.0	2609.4	2604.6	2609.4	2601.0
4°	2590.1	2590.1	2585.3	2588.9	2578.1
5°	2567.3	2566.1	2562.5	2564.9	2555.3
6°	2543.2	2542.0	2536.0	2536.0	2528.8
7°	2525.2	2516.8	2512.0	2510.8	2503.6
8°	2496.4	2493.9	2484.3	2484.3	2479.5
9°	2467.5	2465.1	2454.3	2456.7	2453.1
10°	2438.6	2430.2	2421.8	2423.0	2423.0
11°	2400.2	2392.9	2380.9	2385.7	2388.1
12°	2354.5	2346.0	2335.2	2344.8	2343.6
13°	2304.0	2296.7	2288.3	2295.5	2293.1
14°	2251.0	2240.2	2233.0	2237.8	2235.4
15°	2195.7	2181.3	2175.3	2175.3	2172.9
17.5°	2040.6	2032.2	2026.2	2022.6	2031.0
20°	1908.3	1901.1	1887.9	1891.5	1897.5
22.5°	1742.4	1741.2	1734.0	1728.0	1735.2
25°	1446.6	1482.7	1488.7	1471.8	1434.6
27.5°	1051.0	1135.1	1165.2	1125.5	1057.0
30°	739.5	779.2	828.5	750.3	741.9
32.5°	446.1	456.9	502.6	448.5	436.5
35°	228.5	236.9	267.0	228.5	215.2
37.5°	107.0	111.8	123.9	107.0	99.8
40°	52.9	58.9	66.1	55.3	50.5
42.5°	22.8	30.1	38.5	28.9	20.4
45°	6.0	12.0	21.6	12.0	6.0
47.5°	3.6	4.8	12.0	4.8	3.6
50°	3.6	3.6	6.0	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	2.4	3.6	2.4	3.6	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	0.0	1.2	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: P1307101

CATALOG NUMBER: P3SQAS17R509027DE010 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)