

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: P1317473

Luminaire Tested: P3SQAS20R559830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317473
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: P3SQAS20R559830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

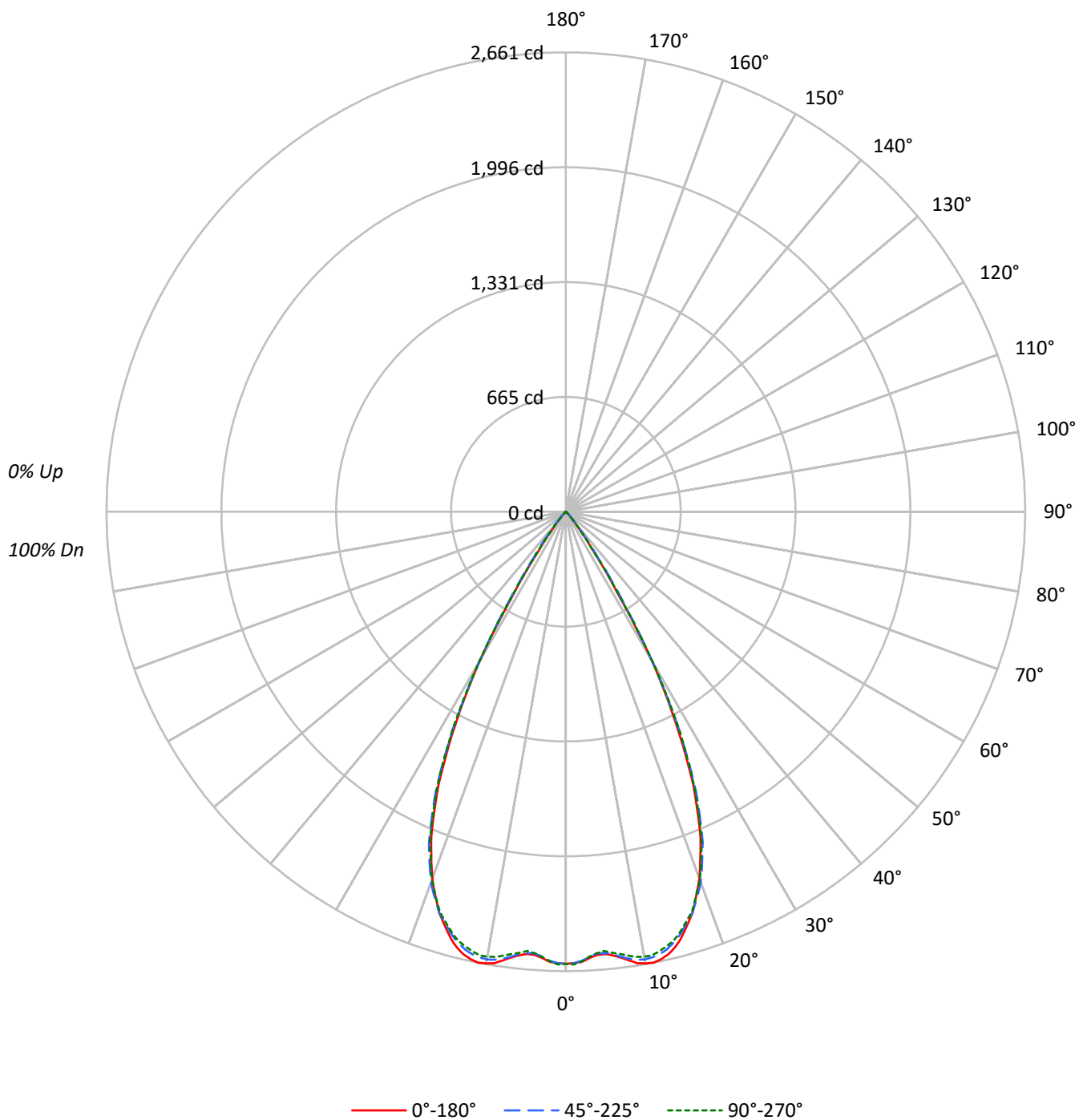
Lumens per Lamp: N/A
Luminaire Lumens: 2008.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317473

CATALOG NUMBER: P3SQAS20R559830D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317473

CATALOG NUMBER: P3SQAS20R559830D010 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	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°	450965	450965	450965
5°	444510	443715	441606
10°	464602	460598	457660
15°	457334	453251	451361
20°	414697	418894	415815
25°	331616	338590	335397
30°	198885	198885	201312
35°	57460	68056	59394
40°	16479	22302	16479
45°	3726	8549	3726
50°	1634	2867	1232
55°	1381	1381	1381
60°	1584	1584	1584
65°	1263	1263	1263
70°	1561	1561	1561
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8549 cd/sqm

TEST NUMBER: P1317473

CATALOG NUMBER: P3SQAS20R559830D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	12.4
10°-20°	707.6	35.2
20°-30°	779.6	38.8
30°-40°	238.5	11.9
40°-50°	23.6	1.2
50°-60°	4.4	0.2
60°-70°	3.5	0.2
70°-80°	1.9	0.1
80°-90°	0.6	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°	1735.5	86.4
0°-40°	1974.0	98.3
0°-60°	2002.0	99.7
0°-90°	2008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2618	2618	2618	2618	2618	
5°	2571	2571	2567	2559	2554	249
15°	2565	2560	2542	2532	2532	711
25°	1745	1762	1782	1799	1765	769
35°	273	287	324	298	282	224
45°	15	23	35	23	15	18
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1317473

CATALOG NUMBER: P3SQAS20R559830D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2618.5	2618.5	2618.5	2618.5	2618.5
1°	2615.4	2617.0	2615.4	2612.4	2623.1
2°	2609.3	2607.8	2603.2	2601.7	2606.3
3°	2589.5	2589.5	2583.4	2580.3	2581.8
4°	2574.2	2574.2	2565.0	2562.0	2563.5
5°	2571.2	2571.2	2566.6	2558.9	2554.4
6°	2583.4	2586.4	2575.7	2568.1	2568.1
7°	2601.7	2603.2	2595.6	2584.9	2581.8
8°	2624.6	2626.1	2613.9	2601.7	2595.6
9°	2647.5	2644.4	2627.6	2615.4	2610.8
10°	2656.7	2655.1	2633.8	2621.5	2617.0
11°	2661.2	2653.6	2629.2	2618.5	2617.0
12°	2650.5	2644.4	2618.5	2607.8	2603.2
13°	2632.2	2623.1	2601.7	2591.0	2584.9
14°	2603.2	2594.1	2574.2	2562.0	2563.5
15°	2565.0	2560.5	2542.1	2531.5	2531.5
17.5°	2438.3	2441.4	2436.8	2432.2	2429.2
20°	2262.7	2275.0	2285.6	2279.5	2268.8
22.5°	2038.3	2059.7	2071.9	2074.9	2055.1
25°	1745.1	1761.9	1781.8	1798.6	1765.0
27.5°	1380.2	1395.5	1413.8	1424.5	1419.9
30°	1000.1	1001.6	1000.1	1019.9	1012.3
32.5°	555.8	601.6	609.2	622.9	574.1
35°	273.3	287.0	323.7	297.7	282.5
37.5°	131.3	140.5	175.6	143.5	137.4
40°	73.3	79.4	99.2	82.4	73.3
42.5°	35.1	45.8	53.4	47.3	35.1
45°	15.3	22.9	35.1	22.9	15.3
47.5°	6.1	9.2	21.4	9.2	6.1
50°	6.1	4.6	10.7	4.6	4.6
52.5°	4.6	4.6	6.1	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	4.6	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6
62.5°	3.1	4.6	4.6	4.6	3.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1	3.1
72.5°	1.5	3.1	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
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: P1317473

CATALOG NUMBER: P3SQAS20R559830D010 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)