

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: P1306951

Luminaire Tested: P3SQAS13R559027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306951
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: P3SQAS13R559027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

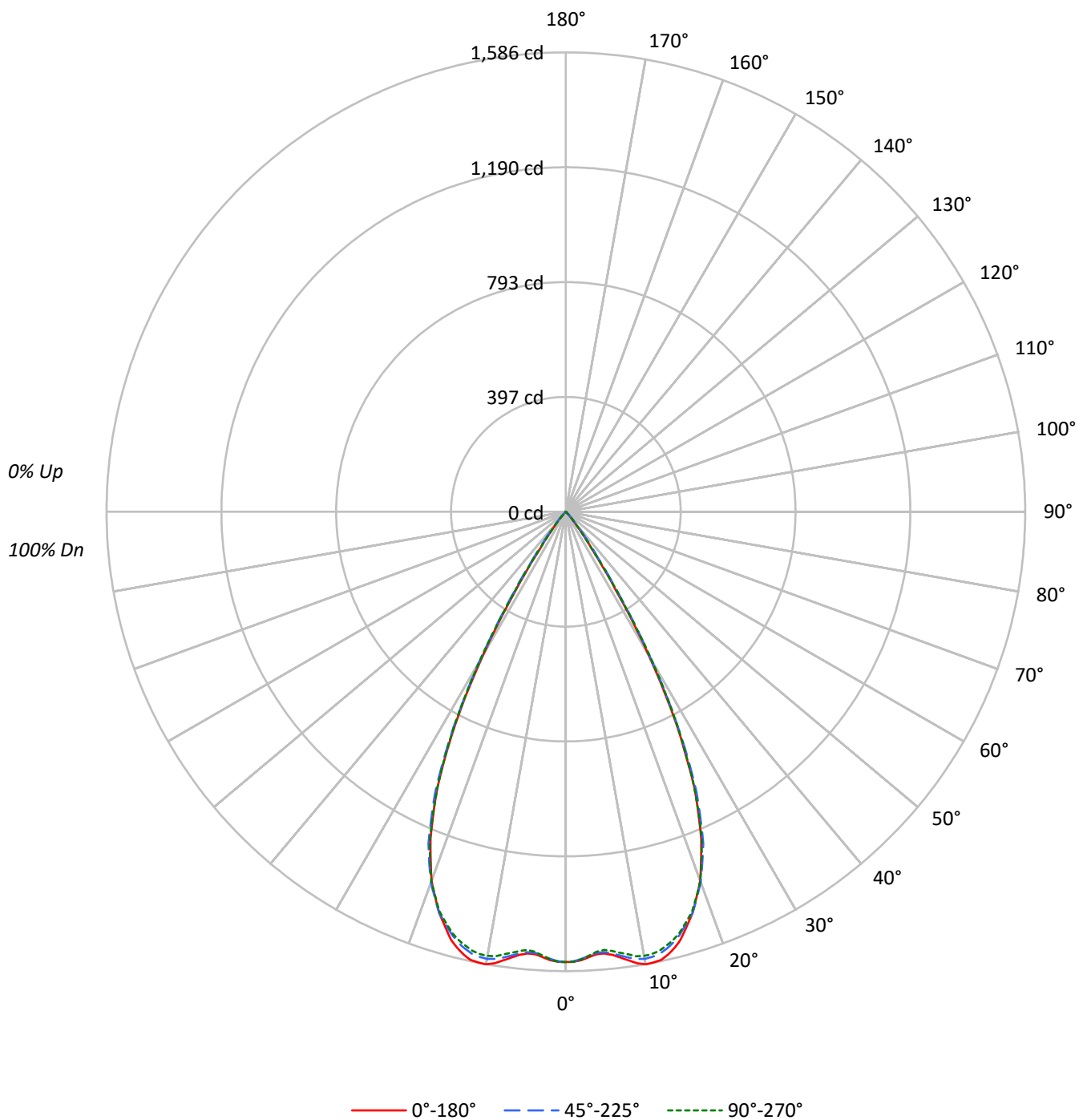
Lumens per Lamp: N/A
Luminaire Lumens: 1182.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1306951

CATALOG NUMBER: P3SQAS13R559027DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306951

CATALOG NUMBER: P3SQAS13R559027DE010 E3SQCD1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	267755	267755	267755
5°	264697	263919	262502
10°	277446	274106	272217
15°	272832	269925	268945
20°	248522	249511	248687
25°	199376	202473	199376
30°	114427	117311	118226
35°	32630	39316	33576
40°	8363	12028	8566
45°	877	4189	658
50°	0	723	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: 4189 cd/sqm

TEST NUMBER: P1306951

CATALOG NUMBER: P3SQAS13R559027DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	12.5
10°-20°	421.2	35.6
20°-30°	464.0	39.3
30°-40°	138.5	11.7
40°-50°	10.6	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°	1032.8	87.4
0°-40°	1171.3	99.1
0°-60°	1182.0	100.0
0°-90°	1182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1531	1528	1527	1520	1518	148
15°	1530	1519	1514	1508	1508	424
25°	1049	1049	1066	1064	1049	459
35°	155	165	187	171	160	128
45°	4	9	17	9	3	7
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: P1306951

CATALOG NUMBER: P3SQAS13R559027DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1554.7	1554.7	1554.7	1554.7	1554.7
1°	1553.8	1553.8	1552.0	1551.1	1553.8
2°	1549.3	1549.3	1544.8	1543.8	1546.6
3°	1539.3	1538.4	1534.8	1532.0	1533.9
4°	1531.1	1529.3	1526.6	1522.1	1523.0
5°	1531.1	1528.4	1526.6	1520.2	1518.4
6°	1538.4	1536.6	1533.0	1526.6	1524.8
7°	1551.1	1547.5	1543.8	1535.7	1533.9
8°	1564.7	1562.0	1554.7	1546.6	1542.9
9°	1578.3	1572.0	1562.9	1554.7	1553.8
10°	1586.5	1577.4	1567.4	1557.5	1556.6
11°	1585.6	1577.4	1565.6	1556.6	1555.6
12°	1582.0	1570.2	1560.2	1549.3	1550.2
13°	1569.3	1558.4	1548.4	1540.2	1538.4
14°	1552.0	1542.0	1533.0	1524.8	1525.7
15°	1530.2	1519.3	1513.9	1507.5	1508.4
17.5°	1453.1	1450.4	1453.1	1445.8	1448.5
20°	1356.0	1353.2	1361.4	1357.8	1356.9
22.5°	1220.7	1224.4	1239.8	1235.3	1227.1
25°	1049.2	1049.2	1065.5	1063.7	1049.2
27.5°	825.9	832.3	842.3	846.8	835.9
30°	575.4	589.9	589.9	599.0	594.5
32.5°	321.3	352.2	359.4	364.0	345.8
35°	155.2	165.2	187.0	170.6	159.7
37.5°	74.4	79.0	100.7	81.7	76.2
40°	37.2	42.7	53.5	44.5	38.1
42.5°	15.4	22.7	28.1	22.7	15.4
45°	3.6	9.1	17.2	9.1	2.7
47.5°	0.0	0.9	8.2	1.8	0.0
50°	0.0	0.0	2.7	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: P1306951

CATALOG NUMBER: P3SQAS13R559027DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)