

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: P1314446

Luminaire Tested: P3SQAS13R559735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314446
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: P3SQAS13R559735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

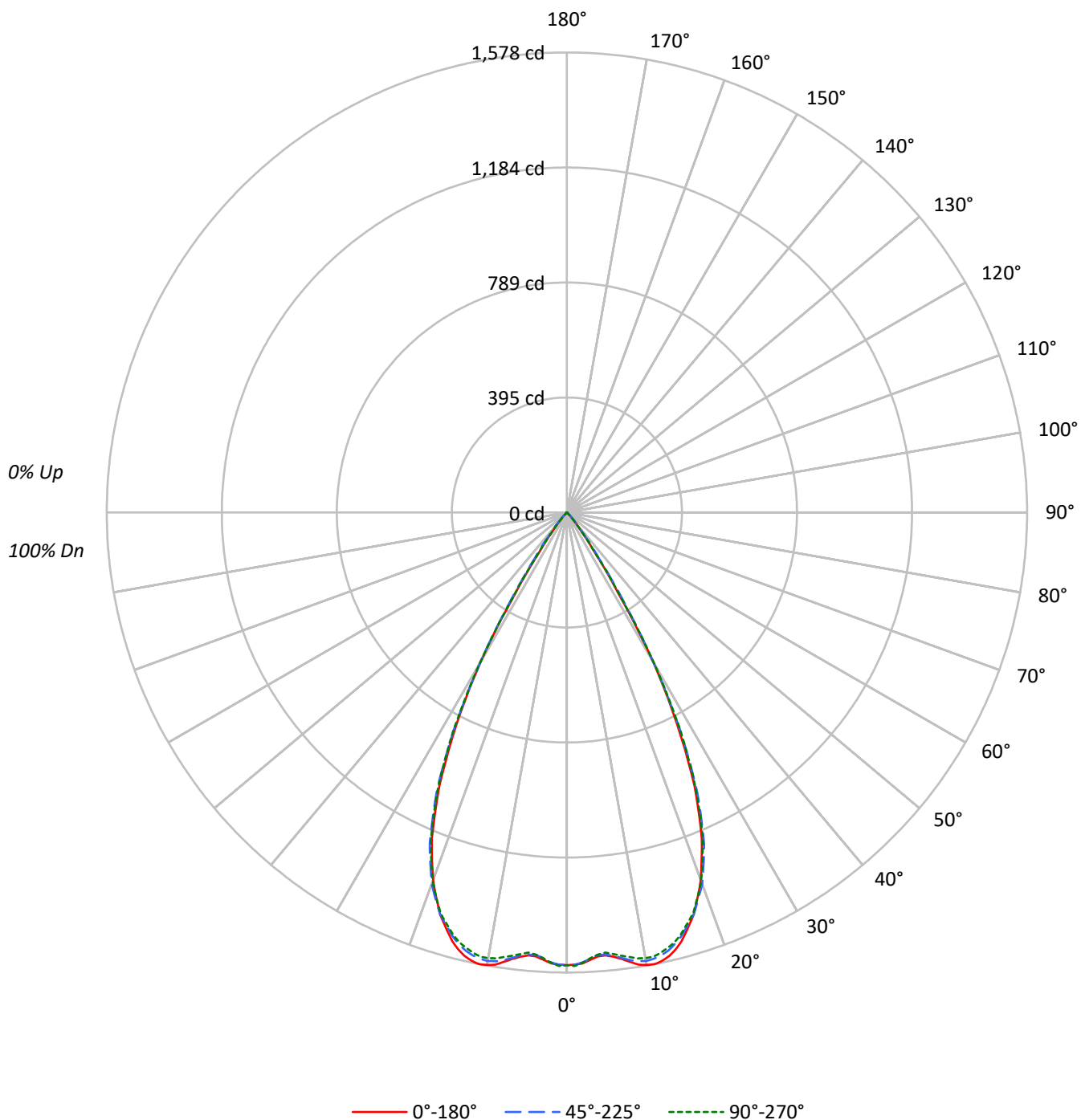
Lumens per Lamp: N/A
Luminaire Lumens: 1191.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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	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	111	109	107	112	109	107	105	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	92	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	267479	267479	267479
5°	263643	263176	261931
10°	275558	273197	271448
15°	271263	268838	267714
20°	245974	248467	246634
25°	196697	200820	198939
30°	117967	117967	119399
35°	34081	40367	35216
40°	9780	13242	9780
45°	2216	5066	2216
50°	965	1688	723
55°	811	811	811
60°	930	930	930
65°	734	734	734
70°	906	906	906
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5066 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	12.4
10°-20°	419.7	35.2
20°-30°	462.4	38.8
30°-40°	141.4	11.9
40°-50°	14.0	1.2
50°-60°	2.6	0.2
60°-70°	2.1	0.2
70°-80°	1.1	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°	1029.4	86.4
0°-40°	1170.8	98.3
0°-60°	1187.4	99.7
0°-90°	1191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1553	1553	1553	1553	1553	
5°	1525	1525	1522	1518	1515	148
15°	1521	1519	1508	1502	1502	422
25°	1035	1045	1057	1067	1047	456
35°	162	170	192	177	168	133
45°	9	14	21	14	9	11
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1553.1	1553.1	1553.1	1553.1	1553.1
1°	1551.3	1552.2	1551.3	1549.5	1555.8
2°	1547.7	1546.8	1544.0	1543.1	1545.8
3°	1535.9	1535.9	1532.3	1530.5	1531.4
4°	1526.8	1526.8	1521.4	1519.6	1520.5
5°	1525.0	1525.0	1522.3	1517.8	1515.1
6°	1532.3	1534.1	1527.7	1523.2	1523.2
7°	1543.1	1544.0	1539.5	1533.2	1531.4
8°	1556.7	1557.6	1550.4	1543.1	1539.5
9°	1570.3	1568.5	1558.5	1551.3	1548.6
10°	1575.7	1574.8	1562.2	1554.9	1552.2
11°	1578.5	1573.9	1559.4	1553.1	1552.2
12°	1572.1	1568.5	1553.1	1546.8	1544.0
13°	1561.2	1555.8	1543.1	1536.8	1533.2
14°	1544.0	1538.6	1526.8	1519.6	1520.5
15°	1521.4	1518.7	1507.8	1501.5	1501.5
17.5°	1446.2	1448.0	1445.3	1442.6	1440.8
20°	1342.1	1349.3	1355.7	1352.1	1345.7
22.5°	1209.0	1221.6	1228.9	1230.7	1218.9
25°	1035.1	1045.1	1056.8	1066.8	1046.9
27.5°	818.7	827.7	838.6	844.9	842.2
30°	593.2	594.1	593.2	604.9	600.4
32.5°	329.6	356.8	361.3	369.5	340.5
35°	162.1	170.3	192.0	176.6	167.5
37.5°	77.9	83.3	104.1	85.1	81.5
40°	43.5	47.1	58.9	48.9	43.5
42.5°	20.8	27.2	31.7	28.1	20.8
45°	9.1	13.6	20.8	13.6	9.1
47.5°	3.6	5.4	12.7	5.4	3.6
50°	3.6	2.7	6.3	2.7	2.7
52.5°	2.7	2.7	3.6	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	1.8	2.7	2.7	2.7	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	0.9	1.8	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)