

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: P1312502

Luminaire Tested: P3SQAS13R559727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312502
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: P3SQAS13R559727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

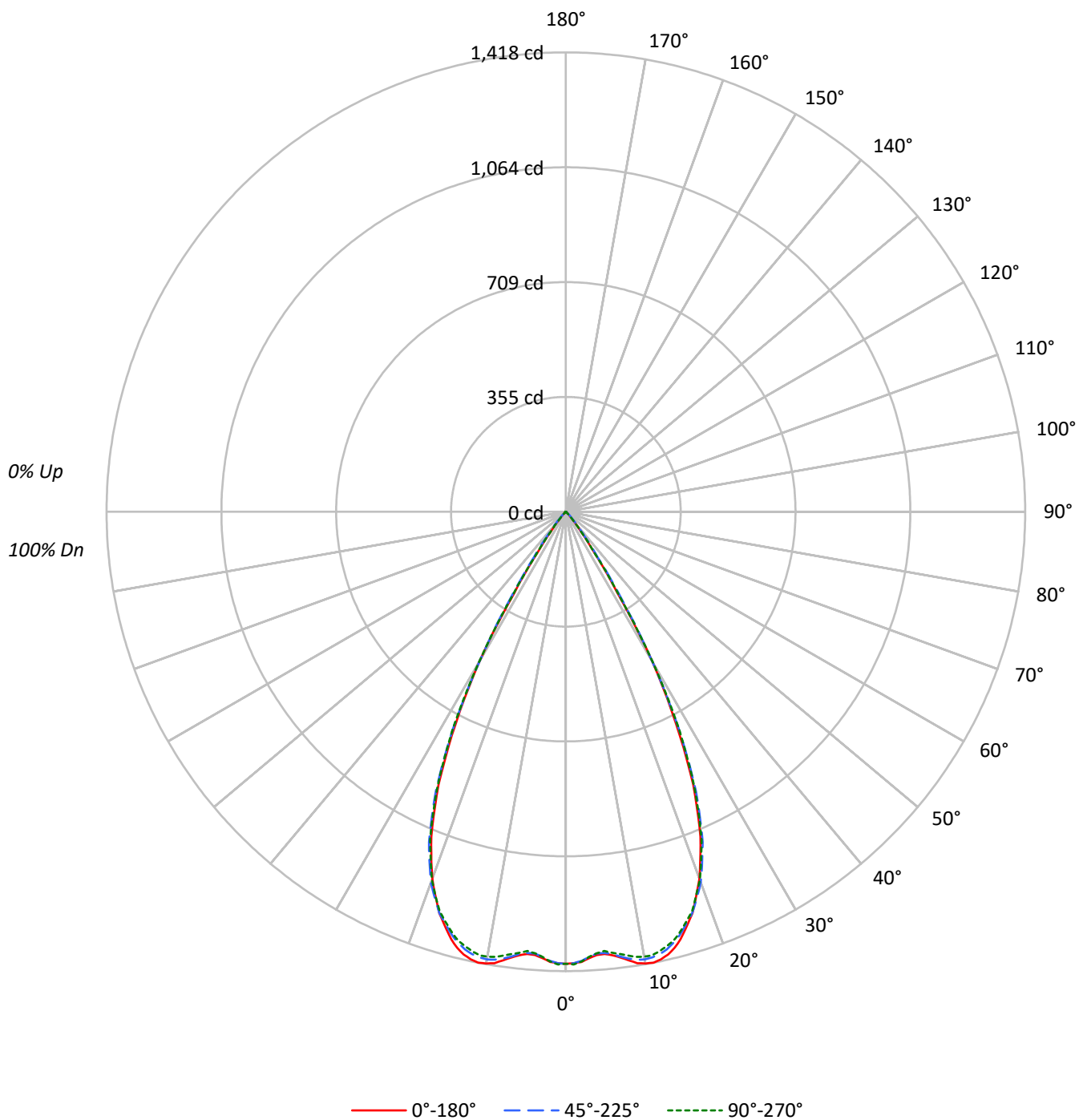
Lumens per Lamp: N/A
Luminaire Lumens: 1069.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	240302	240302	240302
5°	236864	236431	235308
10°	247559	245426	243869
15°	243698	241522	240506
20°	220975	223211	221580
25°	176706	180430	178720
30°	105975	105975	107268
35°	30612	36267	31642
40°	8790	11893	8790
45°	1973	4555	1973
50°	884	1527	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	806	806	806
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4555 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	12.4
10°-20°	377.1	35.2
20°-30°	415.4	38.8
30°-40°	127.1	11.9
40°-50°	12.6	1.2
50°-60°	2.3	0.2
60°-70°	1.8	0.2
70°-80°	1.0	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°	924.8	86.4
0°-40°	1051.9	98.3
0°-60°	1066.8	99.7
0°-90°	1069.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1370	1370	1368	1364	1361	133
15°	1367	1364	1355	1349	1349	379
25°	930	939	950	958	940	410
35°	146	153	172	159	150	119
45°	8	12	19	12	8	10
55°	2	2	2	2	2	2
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°	1395.3	1395.3	1395.3	1395.3	1395.3
1°	1393.7	1394.5	1393.7	1392.1	1397.7
2°	1390.4	1389.6	1387.2	1386.4	1388.8
3°	1379.8	1379.8	1376.6	1375.0	1375.8
4°	1371.7	1371.7	1366.8	1365.2	1366.0
5°	1370.1	1370.1	1367.6	1363.6	1361.1
6°	1376.6	1378.2	1372.5	1368.5	1368.5
7°	1386.4	1387.2	1383.1	1377.4	1375.8
8°	1398.6	1399.4	1392.9	1386.4	1383.1
9°	1410.8	1409.1	1400.2	1393.7	1391.2
10°	1415.6	1414.8	1403.4	1396.9	1394.5
11°	1418.1	1414.0	1401.0	1395.3	1394.5
12°	1412.4	1409.1	1395.3	1389.6	1387.2
13°	1402.6	1397.7	1386.4	1380.7	1377.4
14°	1387.2	1382.3	1371.7	1365.2	1366.0
15°	1366.8	1364.4	1354.6	1348.9	1348.9
17.5°	1299.3	1300.9	1298.5	1296.0	1294.4
20°	1205.7	1212.2	1217.9	1214.7	1209.0
22.5°	1086.1	1097.5	1104.0	1105.7	1095.1
25°	929.9	938.9	949.5	958.4	940.5
27.5°	735.5	743.6	753.4	759.1	756.6
30°	532.9	533.7	532.9	543.5	539.4
32.5°	296.1	320.6	324.6	331.9	305.9
35°	145.6	153.0	172.5	158.7	150.5
37.5°	70.0	74.9	93.6	76.5	73.2
40°	39.1	42.3	52.9	43.9	39.1
42.5°	18.7	24.4	28.5	25.2	18.7
45°	8.1	12.2	18.7	12.2	8.1
47.5°	3.3	4.9	11.4	4.9	3.3
50°	3.3	2.4	5.7	2.4	2.4
52.5°	2.4	2.4	3.3	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	2.4	2.4	2.4	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	0.8	1.6	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
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)