

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: P1305981

Luminaire Tested: P3SQASS13R559024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305981
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: P3SQASS13R559024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

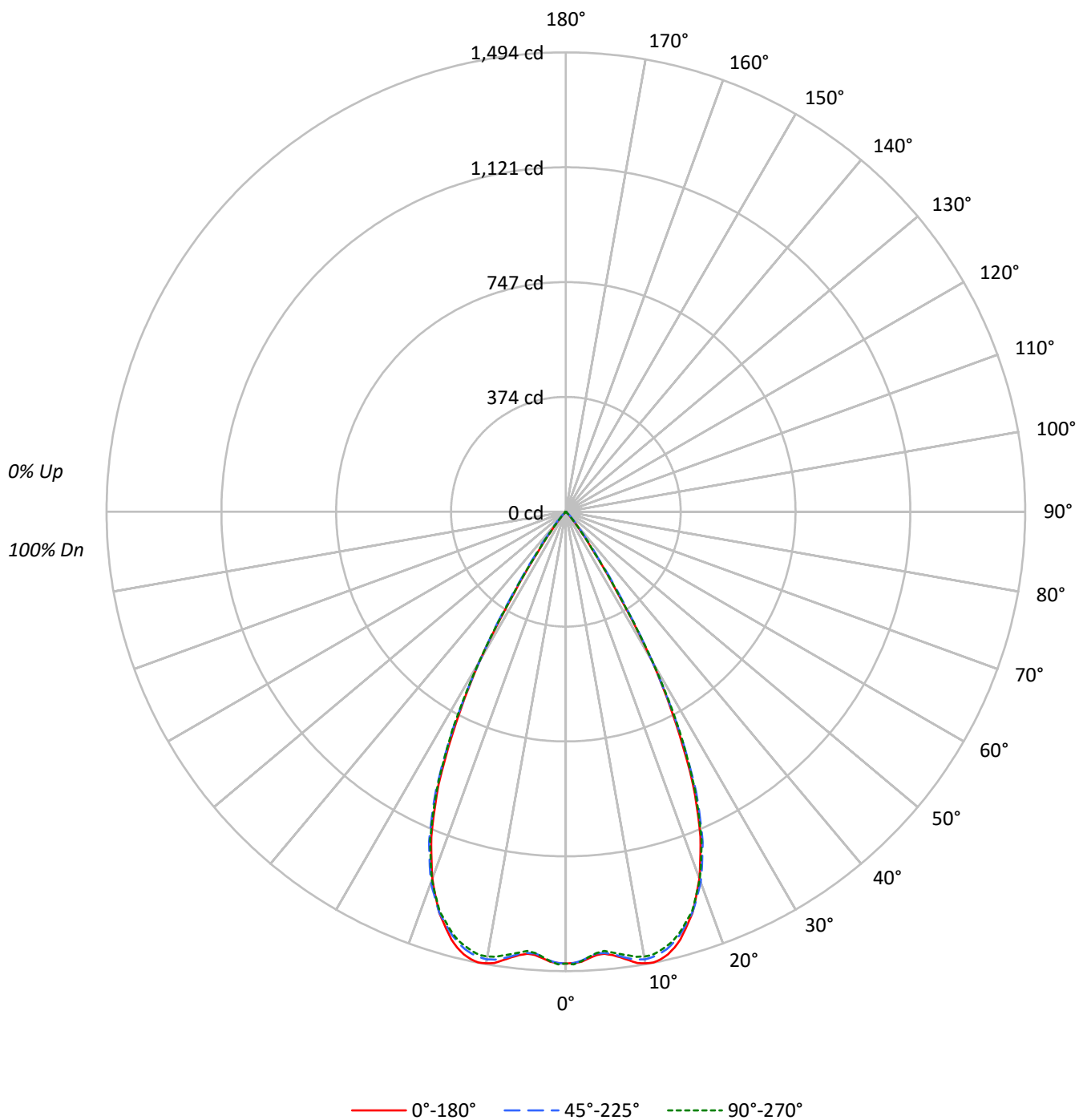
Lumens per Lamp: N/A
Luminaire Lumens: 1127.1 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	253098	253098	253098
5°	249484	249034	247841
10°	260763	258507	256863
15°	256678	254396	253326
20°	232760	235106	233383
25°	186131	190027	188240
30°	111623	111623	112976
35°	32252	38202	33324
40°	9240	12523	9240
45°	2095	4798	2095
50°	911	1608	697
55°	781	781	781
60°	896	896	896
65°	693	693	693
70°	856	856	856
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	12.4
10°-20°	397.2	35.2
20°-30°	437.6	38.8
30°-40°	133.8	11.9
40°-50°	13.2	1.2
50°-60°	2.5	0.2
60°-70°	2.0	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°	974.1	86.4
0°-40°	1107.9	98.3
0°-60°	1123.6	99.7
0°-90°	1127.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1443	1443	1440	1436	1434	140
15°	1440	1437	1427	1421	1421	399
25°	980	989	1000	1010	991	432
35°	153	161	182	167	158	126
45°	9	13	20	13	9	10
55°	3	3	3	3	3	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°	1469.6	1469.6	1469.6	1469.6	1469.6
1°	1467.9	1468.8	1467.9	1466.2	1472.2
2°	1464.5	1463.6	1461.1	1460.2	1462.8
3°	1453.4	1453.4	1449.9	1448.2	1449.1
4°	1444.8	1444.8	1439.6	1437.9	1438.8
5°	1443.1	1443.1	1440.5	1436.2	1433.6
6°	1449.9	1451.6	1445.6	1441.4	1441.4
7°	1460.2	1461.1	1456.8	1450.8	1449.1
8°	1473.1	1473.9	1467.1	1460.2	1456.8
9°	1485.9	1484.2	1474.8	1467.9	1465.4
10°	1491.1	1490.2	1478.2	1471.4	1468.8
11°	1493.6	1489.3	1475.6	1469.6	1468.8
12°	1487.6	1484.2	1469.6	1463.6	1461.1
13°	1477.3	1472.2	1460.2	1454.2	1450.8
14°	1461.1	1455.9	1444.8	1437.9	1438.8
15°	1439.6	1437.1	1426.8	1420.8	1420.8
17.5°	1368.5	1370.2	1367.7	1365.1	1363.4
20°	1270.0	1276.8	1282.8	1279.4	1273.4
22.5°	1144.0	1156.0	1162.9	1164.6	1153.4
25°	979.5	988.9	1000.0	1009.5	990.6
27.5°	774.7	783.2	793.5	799.5	796.9
30°	561.3	562.1	561.3	572.4	568.1
32.5°	311.9	337.6	341.9	349.6	322.2
35°	153.4	161.1	181.7	167.1	158.5
37.5°	73.7	78.8	98.5	80.6	77.1
40°	41.1	44.6	55.7	46.3	41.1
42.5°	19.7	25.7	30.0	26.6	19.7
45°	8.6	12.9	19.7	12.9	8.6
47.5°	3.4	5.1	12.0	5.1	3.4
50°	3.4	2.6	6.0	2.6	2.6
52.5°	2.6	2.6	3.4	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	1.7	2.6	2.6	2.6	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	0.9	1.7	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)