

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: P1305979

Luminaire Tested: P3SQAS13R559024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305979
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: P3SQAS13R559024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

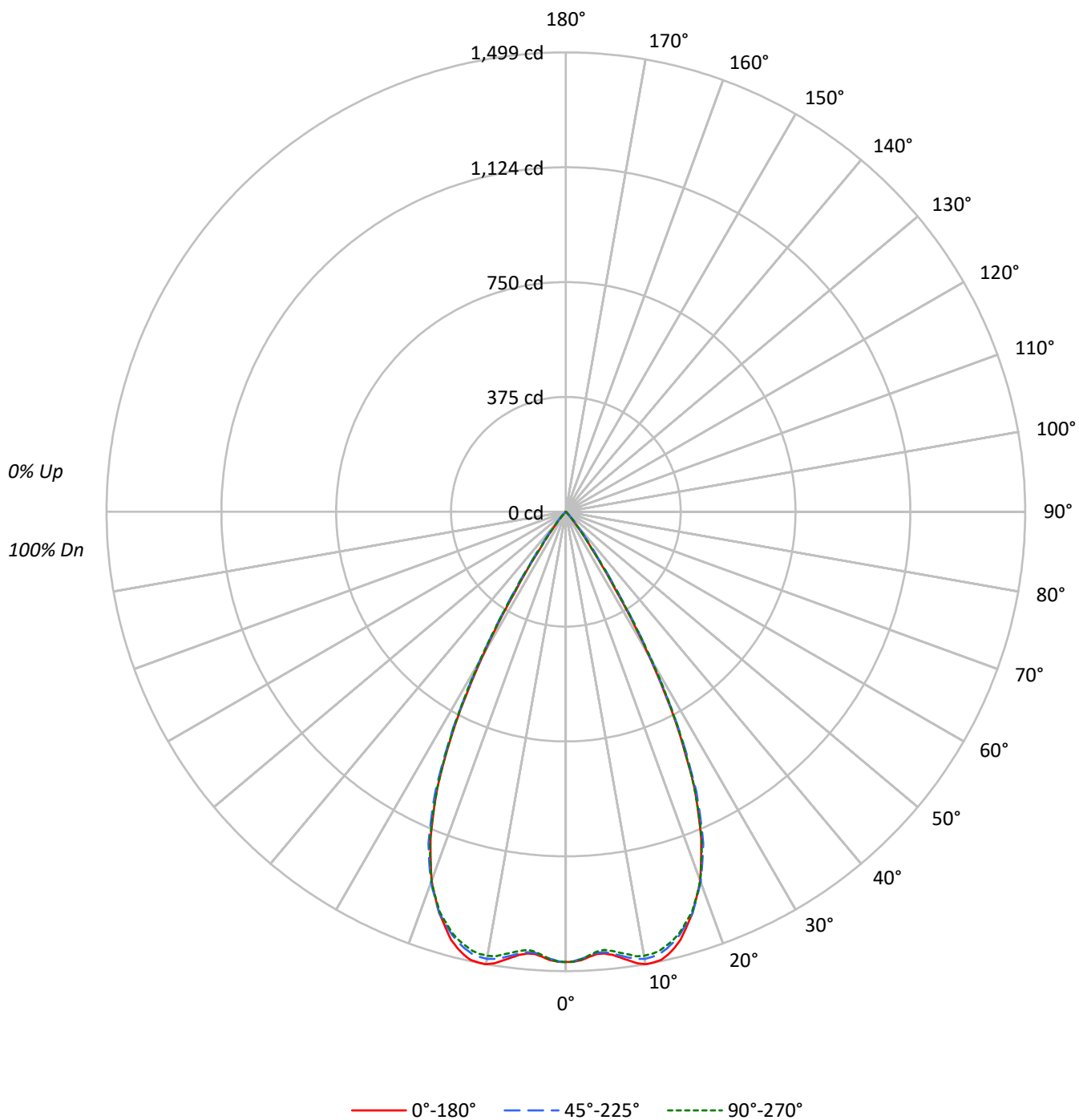
Lumens per Lamp: N/A
Luminaire Lumens: 1117.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	253030	253030	253030
5°	250141	249415	248066
10°	262197	259031	257248
15°	257837	255073	254164
20°	234849	235802	235014
25°	188411	191338	188411
30°	108143	110868	111723
35°	30843	37150	31747
40°	7914	11376	8094
45°	828	3970	633
50°	0	697	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: 3970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	12.5
10°-20°	398.1	35.6
20°-30°	438.4	39.3
30°-40°	130.9	11.7
40°-50°	10.1	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°	976.0	87.4
0°-40°	1106.9	99.1
0°-60°	1117.0	100.0
0°-90°	1117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1469	1469	1469	1469	1469	
5°	1447	1444	1443	1437	1435	140
15°	1446	1436	1431	1425	1426	401
25°	992	992	1007	1005	992	434
35°	147	156	177	161	151	121
45°	3	9	16	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1469.2	1469.2	1469.2	1469.2	1469.2
1°	1468.4	1468.4	1466.7	1465.8	1468.4
2°	1464.1	1464.1	1459.8	1458.9	1461.5
3°	1454.7	1453.8	1450.4	1447.8	1449.5
4°	1446.9	1445.2	1442.7	1438.4	1439.2
5°	1446.9	1444.4	1442.7	1436.6	1434.9
6°	1453.8	1452.1	1448.7	1442.7	1440.9
7°	1465.8	1462.4	1458.9	1451.2	1449.5
8°	1478.7	1476.1	1469.2	1461.5	1458.1
9°	1491.5	1485.5	1477.0	1469.2	1468.4
10°	1499.3	1490.7	1481.2	1471.8	1471.0
11°	1498.4	1490.7	1479.5	1471.0	1470.1
12°	1495.0	1483.8	1474.4	1464.1	1465.0
13°	1483.0	1472.7	1463.2	1455.5	1453.8
14°	1466.7	1457.2	1448.7	1440.9	1441.8
15°	1446.1	1435.8	1430.6	1424.6	1425.5
17.5°	1373.2	1370.6	1373.2	1366.3	1368.9
20°	1281.4	1278.8	1286.6	1283.1	1282.3
22.5°	1153.6	1157.0	1171.6	1167.3	1159.6
25°	991.5	991.5	1006.9	1005.2	991.5
27.5°	780.5	786.5	795.9	800.2	789.9
30°	543.8	557.5	557.5	566.1	561.8
32.5°	303.6	332.8	339.6	343.9	326.8
35°	146.7	156.1	176.7	161.2	151.0
37.5°	70.3	74.6	95.2	77.2	72.0
40°	35.2	40.3	50.6	42.0	36.0
42.5°	14.6	21.4	26.6	21.4	14.6
45°	3.4	8.6	16.3	8.6	2.6
47.5°	0.0	0.9	7.7	1.7	0.0
50°	0.0	0.0	2.6	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



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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)