

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: P1312396

Luminaire Tested: P3SQAS13R159727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

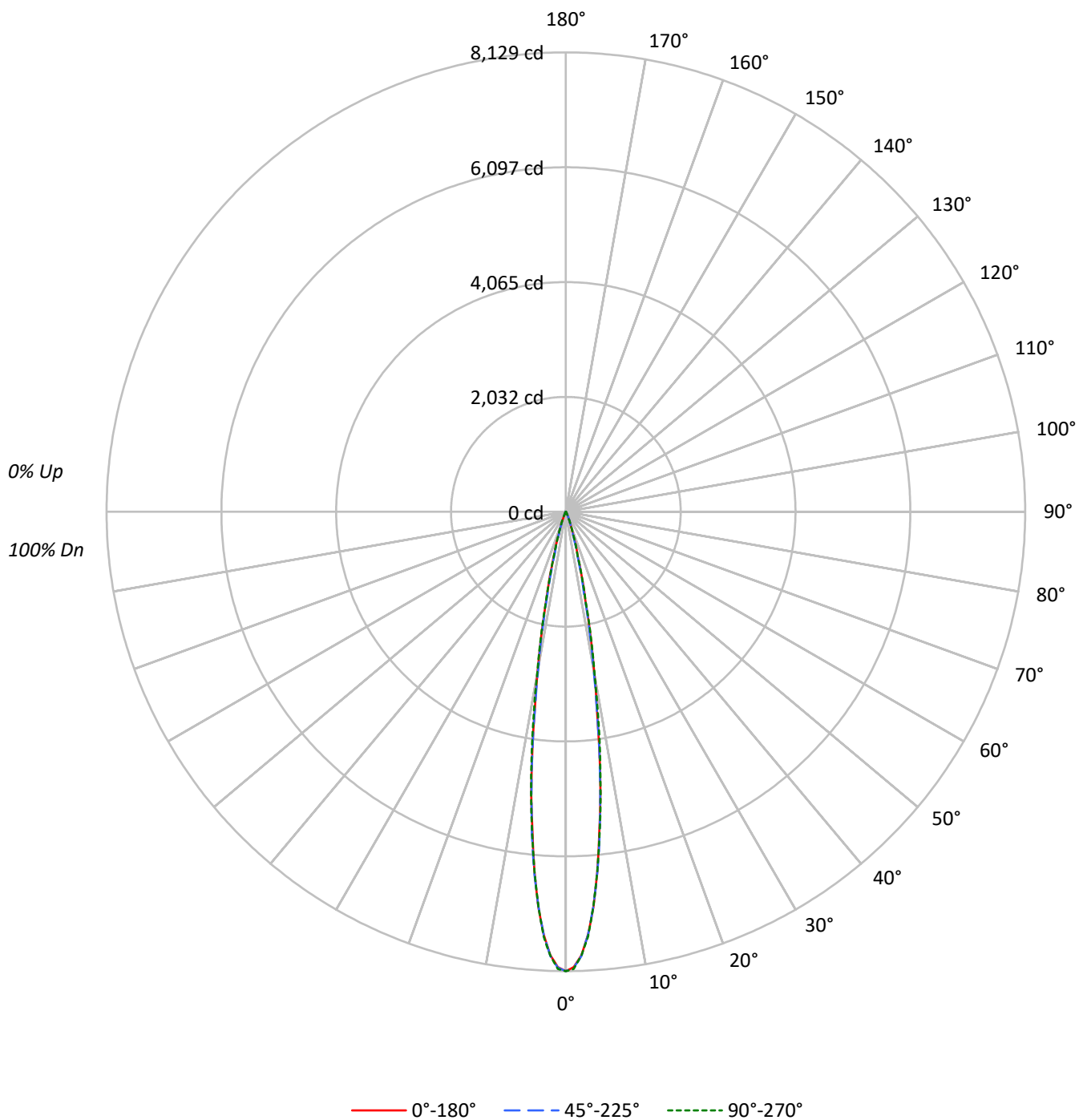
Lumens per Lamp: N/A
Luminaire Lumens: 814.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1400067	1400067	1400067
5°	1104378	1107334	1103393
10°	505262	492023	515929
15°	150234	134116	147185
20°	44609	43271	46845
25°	12694	16399	14689
30°	4534	4852	4375
35°	1703	1535	1535
40°	742	360	540
45°	390	195	390
50°	214	0	214
55°	240	0	240
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: 0°

Vertical Angle: 47.5°

Luminance: 408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.2	60.3
10°-20°	272.7	33.5
20°-30°	43.4	5.3
30°-40°	5.7	0.7
40°-50°	0.8	0.1
50°-60°	0.2	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°	807.3	99.2
0°-40°	813.0	99.9
0°-60°	814.0	100.0
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8129	8129	8129	8129	8129	
5°	6388	6442	6405	6378	6382	490
15°	843	832	752	799	826	278
25°	67	75	86	86	77	41
35°	8	8	7	8	7	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4	8129.4
1°	8059.4	8068.3	8079.7	8069.1	8059.4	8068.3	8056.1	8057.7	8048.0	8069.1	8092.8
2°	7854.2	7865.6	7859.1	7844.5	7867.3	7868.9	7843.6	7831.4	7829.8	7851.0	7859.1
3°	7491.1	7517.2	7518.0	7513.1	7505.8	7491.1	7465.1	7482.2	7458.6	7443.9	7527.0
4°	7008.4	7031.2	7058.1	7040.1	6986.4	6991.3	7008.4	6950.6	6953.9	6987.2	6989.7
5°	6388.1	6457.3	6460.5	6435.3	6393.0	6405.2	6393.0	6376.7	6382.4	6403.5	6382.4
6°	5657.8	5736.0	5678.2	5733.6	5721.3	5736.8	5740.9	5723.8	5736.0	5723.0	5718.9
7°	5026.9	4967.5	4975.6	4952.9	4977.3	4993.6	5003.3	4974.0	4997.6	5035.1	5045.7
8°	4244.6	4227.5	4210.4	4251.1	4239.7	4259.3	4271.5	4304.0	4302.4	4313.8	4351.2
9°	3499.7	3525.0	3540.4	3504.6	3535.5	3475.3	3496.5	3583.6	3560.8	3583.6	3650.3
10°	2889.2	2909.5	2886.7	2885.9	2853.3	2813.5	2811.0	2843.6	2912.0	2965.7	2950.2
12.5°	1594.0	1611.9	1614.3	1612.7	1554.1	1488.1	1500.3	1526.4	1568.7	1586.6	1615.9
15°	842.6	841.8	850.7	825.5	794.5	752.2	755.5	791.3	823.0	831.2	825.5
17.5°	432.3	433.9	440.4	433.9	401.3	405.4	414.4	418.4	437.2	444.5	440.4
20°	243.4	244.2	243.4	245.9	232.8	236.1	247.5	248.3	252.4	256.4	255.6
22.5°	139.2	140.0	144.9	143.3	140.0	144.1	146.5	150.6	152.2	150.6	155.5
25°	66.8	67.6	67.6	77.3	82.2	86.3	87.9	86.3	84.7	78.2	77.3
27.5°	38.3	38.3	39.9	40.7	42.3	49.7	48.8	40.7	34.2	34.2	35.0
30°	22.8	22.0	22.0	22.8	23.6	24.4	22.8	22.0	22.0	22.8	22.0
32.5°	13.8	13.8	13.8	13.0	13.0	12.2	12.2	13.8	13.8	13.8	13.8
35°	8.1	8.1	8.1	8.1	7.3	7.3	7.3	8.1	8.1	7.3	7.3
37.5°	4.9	4.9	4.9	4.1	4.1	3.3	4.1	4.1	4.1	4.1	4.1
40°	3.3	3.3	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
42.5°	2.4	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	1.6
45°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
47.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)