

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: P1306846

Luminaire Tested: P3SQAS13R159027DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306846
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: P3SQAS13R159027DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

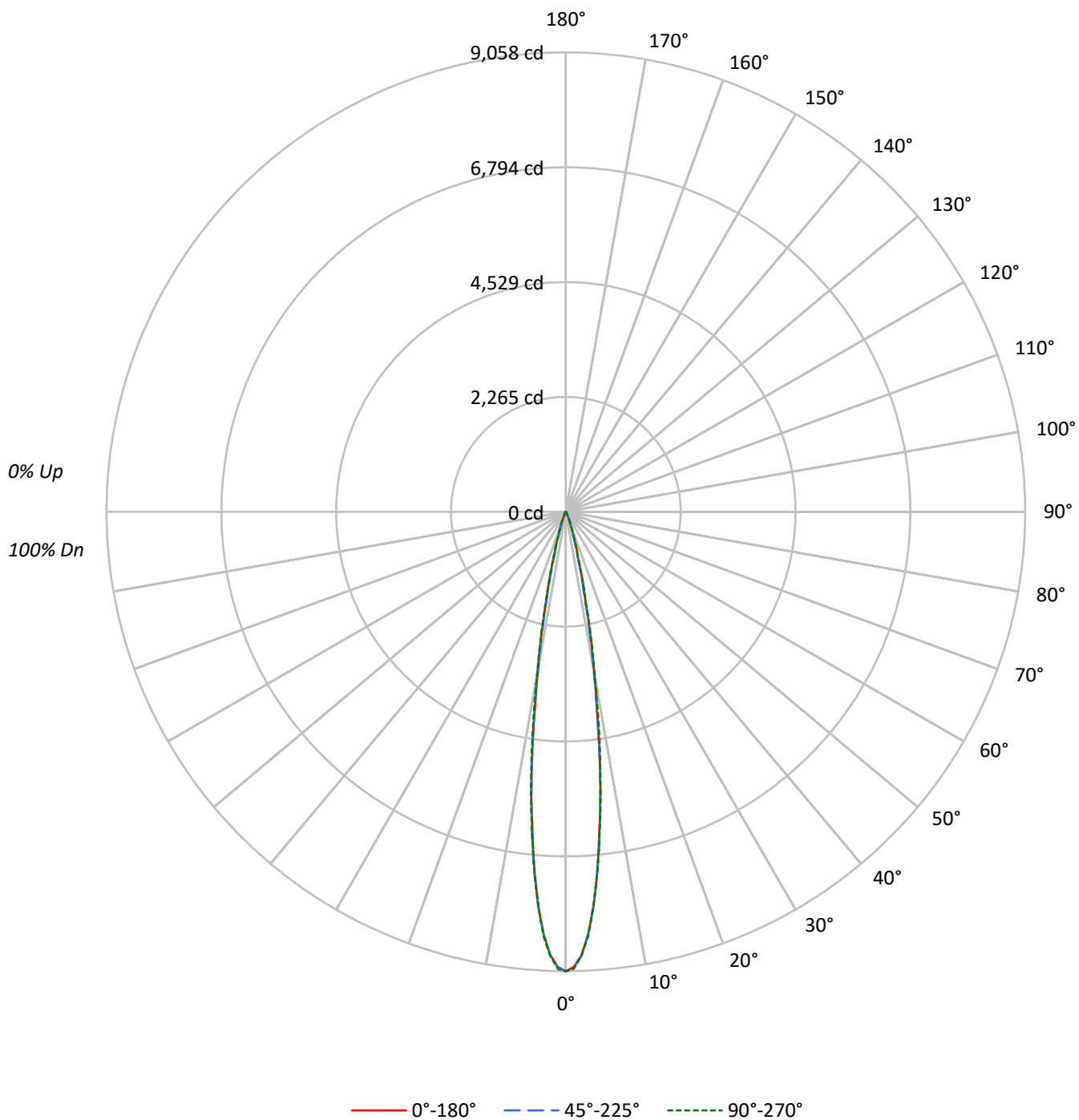
Lumens per Lamp: N/A
Luminaire Lumens: 907.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1560027	1560027	1560027
5°	1230546	1233848	1229457
10°	562989	548230	574881
15°	167386	149432	163998
20°	49704	48220	52197
25°	14138	18281	16380
30°	5051	5409	4872
35°	1913	1724	1724
40°	809	405	607
45°	438	219	438
50°	241	0	241
55°	270	0	270
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: 459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.3	60.3
10°-20°	303.8	33.5
20°-30°	48.4	5.3
30°-40°	6.3	0.7
40°-50°	0.9	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°	899.5	99.2
0°-40°	905.8	99.9
0°-60°	907.0	100.0
0°-90°	907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9058	9058	9058	9058	9058	
5°	7118	7178	7137	7107	7112	546
15°	939	927	838	891	920	310
25°	74	83	96	96	86	45
35°	9	9	8	9	8	7
45°	2	1	1	1	2	2
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°	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2	9058.2
1°	8980.2	8990.1	9002.8	8991.0	8980.2	8990.1	8976.5	8978.3	8967.5	8991.0	9017.4
2°	8751.6	8764.3	8757.0	8740.7	8766.1	8767.9	8739.8	8726.2	8724.4	8747.9	8757.0
3°	8347.0	8376.0	8377.0	8371.5	8363.3	8347.0	8318.0	8337.0	8310.7	8294.4	8386.9
4°	7809.1	7834.5	7864.4	7844.5	7784.6	7790.1	7809.1	7744.7	7748.3	7785.5	7788.3
5°	7117.9	7195.0	7198.6	7170.5	7123.4	7137.0	7123.4	7105.2	7111.6	7135.1	7111.6
6°	6304.3	6391.3	6326.9	6388.6	6375.0	6392.2	6396.8	6377.7	6391.3	6376.8	6372.3
7°	5601.3	5535.0	5544.1	5518.7	5545.9	5564.1	5575.0	5542.3	5568.6	5610.3	5622.1
8°	4729.6	4710.5	4691.5	4736.8	4724.1	4745.9	4759.5	4795.8	4794.0	4806.7	4848.4
9°	3899.6	3927.7	3944.9	3905.0	3939.5	3872.4	3895.9	3993.0	3967.6	3993.0	4067.4
10°	3219.3	3241.9	3216.5	3215.6	3179.3	3134.9	3132.2	3168.5	3244.7	3304.5	3287.3
12.5°	1776.1	1796.0	1798.8	1796.9	1731.6	1658.2	1671.8	1700.8	1748.0	1767.9	1800.6
15°	938.8	937.9	947.9	919.8	885.3	838.1	841.8	881.7	917.1	926.1	919.8
17.5°	481.7	483.5	490.7	483.5	447.2	451.7	461.7	466.2	487.1	495.3	490.7
20°	271.2	272.1	271.2	273.9	259.4	263.1	275.8	276.7	281.2	285.7	284.8
22.5°	155.1	156.0	161.5	159.6	156.0	160.6	163.3	167.8	169.6	167.8	173.3
25°	74.4	75.3	75.3	86.2	91.6	96.2	98.0	96.2	94.3	87.1	86.2
27.5°	42.6	42.6	44.4	45.4	47.2	55.3	54.4	45.4	38.1	38.1	39.0
30°	25.4	24.5	24.5	25.4	26.3	27.2	25.4	24.5	24.5	25.4	24.5
32.5°	15.4	15.4	15.4	14.5	14.5	13.6	13.6	15.4	15.4	15.4	15.4
35°	9.1	9.1	9.1	9.1	8.2	8.2	8.2	9.1	9.1	8.2	8.2
37.5°	5.4	5.4	5.4	4.5	4.5	3.6	4.5	4.5	4.5	4.5	4.5
40°	3.6	3.6	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
42.5°	2.7	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8
45°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
47.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
50°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
52.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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	0.9	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)