

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: P1318243

Luminaire Tested: P3SQAS20R159835D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318243
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: P3SQAS20R159835D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

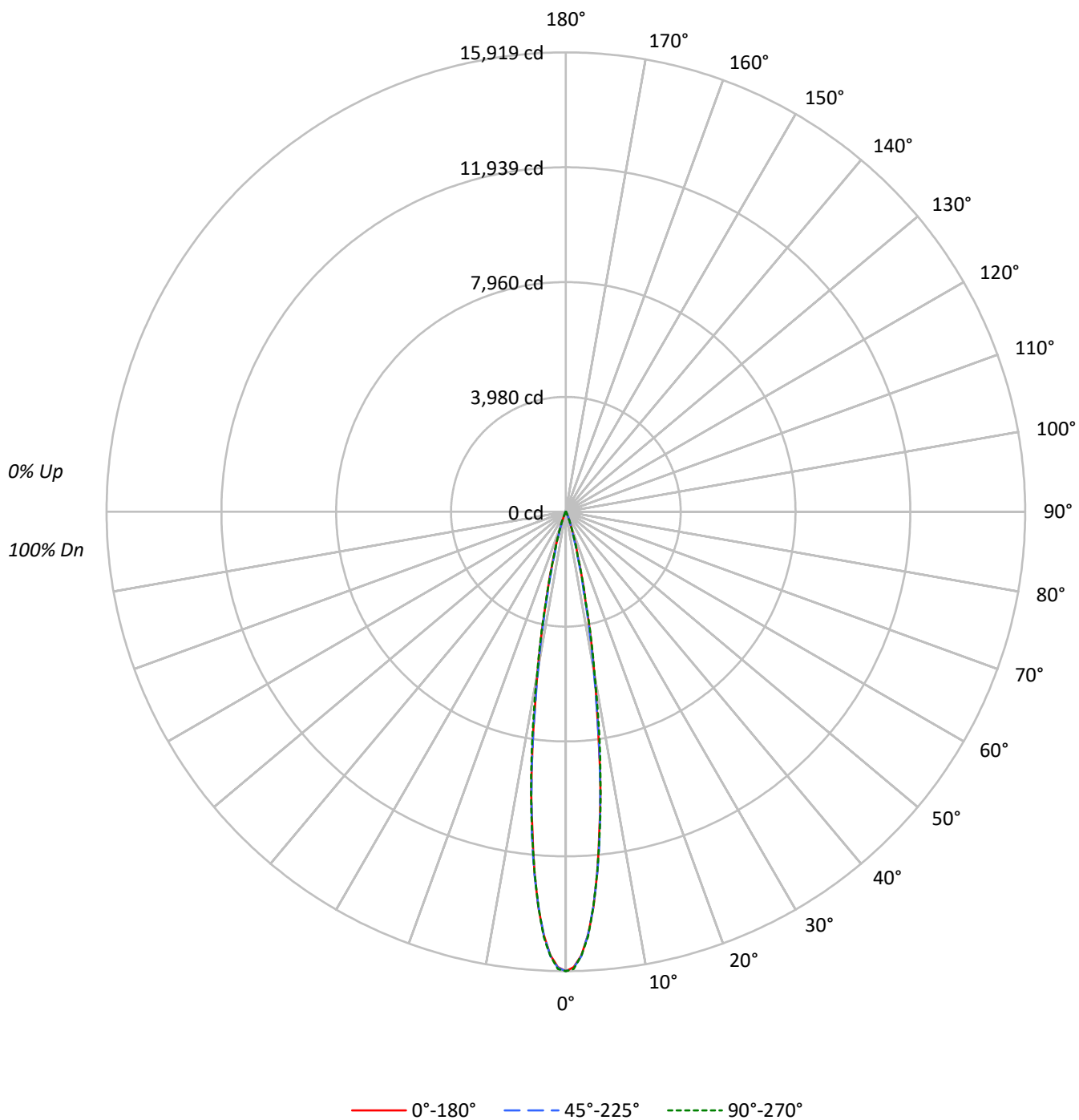
Lumens per Lamp: N/A
Luminaire Lumens: 1594.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	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	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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°	2741647	2741647	2741647
5°	2162614	2168406	2160695
10°	989415	963481	1010314
15°	294174	262633	288219
20°	87367	84728	91748
25°	24836	32115	28770
30°	8869	9506	8551
35°	3343	3007	3007
40°	1439	719	1079
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.8	60.3
10°-20°	534.0	33.5
20°-30°	85.0	5.3
30°-40°	11.1	0.7
40°-50°	1.7	0.1
50°-60°	0.4	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°	1580.8	99.2
0°-40°	1592.0	99.9
0°-60°	1594.0	100.0
0°-90°	1594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15919	15919	15919	15919	15919	
5°	12509	12614	12543	12490	12498	960
15°	1650	1629	1473	1565	1616	544
25°	131	147	169	168	151	80
35°	16	16	14	16	14	12
45°	3	2	2	2	3	3
55°	2	0	0	0	2	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2	15919.2
1°	15782.1	15799.7	15822.0	15801.2	15782.1	15799.7	15775.7	15778.9	15759.8	15801.2	15847.5
2°	15380.4	15402.7	15390.0	15361.3	15405.9	15409.1	15359.7	15335.8	15332.6	15374.0	15390.0
3°	14669.4	14720.4	14722.0	14712.4	14698.1	14669.4	14618.4	14651.9	14605.6	14576.9	14739.5
4°	13724.1	13768.7	13821.3	13786.2	13681.0	13690.6	13724.1	13610.9	13617.3	13682.6	13687.4
5°	12509.3	12644.8	12651.2	12601.8	12518.9	12542.8	12518.9	12487.0	12498.2	12539.6	12498.2
6°	11079.4	11232.4	11119.2	11227.6	11203.7	11234.0	11242.0	11208.5	11232.4	11206.9	11198.9
7°	9843.9	9727.5	9743.5	9698.8	9746.7	9778.5	9797.7	9740.3	9786.5	9859.8	9880.6
8°	8311.9	8278.4	8245.0	8324.7	8302.4	8340.6	8364.5	8428.3	8425.1	8447.4	8520.7
9°	6853.3	6902.7	6933.0	6862.8	6923.4	6805.4	6846.9	7017.5	6972.8	7017.5	7148.2
10°	5657.7	5697.5	5652.9	5651.3	5587.5	5509.4	5504.6	5568.4	5702.3	5807.5	5777.2
12.5°	3121.4	3156.4	3161.2	3158.0	3043.2	2914.1	2938.0	2989.0	3071.9	3107.0	3164.4
15°	1649.9	1648.4	1665.9	1616.5	1555.9	1473.0	1479.4	1549.5	1611.7	1627.6	1616.5
17.5°	846.5	849.7	862.4	849.7	785.9	793.9	811.4	819.4	856.1	870.4	862.4
20°	476.7	478.2	476.7	481.4	455.9	462.3	484.6	486.2	494.2	502.2	500.6
22.5°	272.6	274.2	283.8	280.6	274.2	282.2	286.9	294.9	298.1	294.9	304.5
25°	130.7	132.3	132.3	151.4	161.0	169.0	172.2	169.0	165.8	153.0	151.4
27.5°	74.9	74.9	78.1	79.7	82.9	97.2	95.6	79.7	67.0	67.0	68.5
30°	44.6	43.0	43.0	44.6	46.2	47.8	44.6	43.0	43.0	44.6	43.0
32.5°	27.1	27.1	27.1	25.5	25.5	23.9	23.9	27.1	27.1	27.1	27.1
35°	15.9	15.9	15.9	15.9	14.3	14.3	14.3	15.9	15.9	14.3	14.3
37.5°	9.6	9.6	9.6	8.0	8.0	6.4	8.0	8.0	8.0	8.0	8.0
40°	6.4	6.4	4.8	4.8	3.2	3.2	3.2	4.8	4.8	4.8	4.8
42.5°	4.8	4.8	3.2	3.2	1.6	1.6	1.6	3.2	3.2	3.2	3.2
45°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
47.5°	3.2	3.2	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6
50°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
52.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
55°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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	1.6	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)