

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: P1316159

Luminaire Tested: P3SQAS09R559827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316159
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: P3SQAS09R559827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

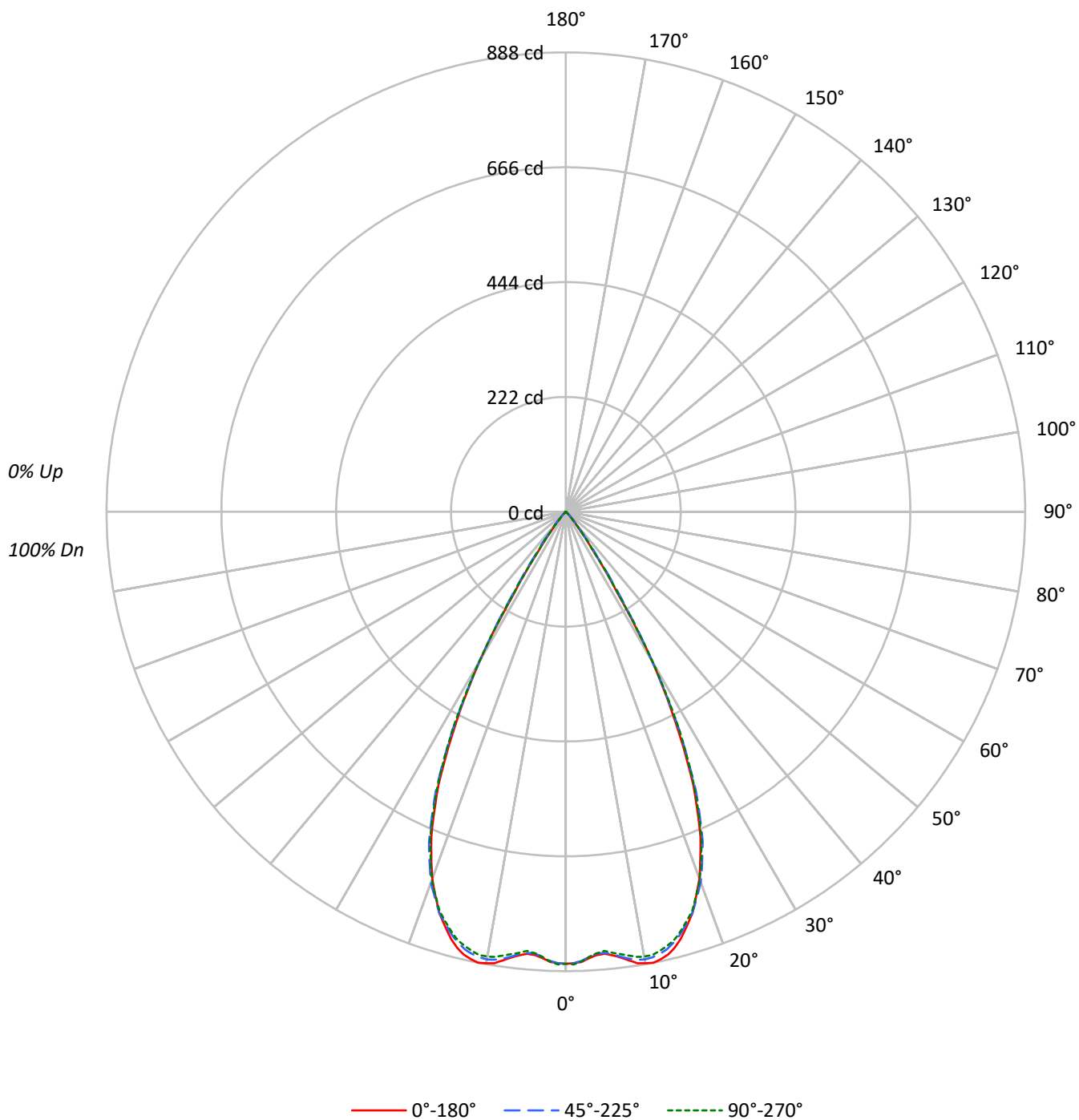
Lumens per Lamp: N/A
Luminaire Lumens: 669.9 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150471	150471	150471
5°	148314	148055	147346
10°	155013	153684	152705
15°	152605	151232	150608
20°	138373	139766	138740
25°	110653	112971	111907
30°	66361	66361	67177
35°	19174	22706	19805
40°	5508	7442	5508
45°	1242	2850	1242
50°	536	965	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	504	504	504
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	12.4
10°-20°	236.1	35.2
20°-30°	260.1	38.8
30°-40°	79.6	11.9
40°-50°	7.9	1.2
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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°	579.1	86.4
0°-40°	658.7	98.3
0°-60°	668.0	99.7
0°-90°	669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	858	858	856	854	852	83
15°	856	854	848	845	845	237
25°	582	588	594	600	589	257
35°	91	96	108	99	94	75
45°	5	8	12	8	5	6
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	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°	873.7	873.7	873.7	873.7	873.7
1°	872.7	873.2	872.7	871.7	875.2
2°	870.6	870.1	868.6	868.1	869.6
3°	864.0	864.0	862.0	861.0	861.5
4°	858.9	858.9	855.9	854.8	855.4
5°	857.9	857.9	856.4	853.8	852.3
6°	862.0	863.0	859.4	856.9	856.9
7°	868.1	868.6	866.1	862.5	861.5
8°	875.7	876.2	872.2	868.1	866.1
9°	883.4	882.4	876.8	872.7	871.1
10°	886.4	885.9	878.8	874.7	873.2
11°	888.0	885.4	877.3	873.7	873.2
12°	884.4	882.4	873.7	870.1	868.6
13°	878.3	875.2	868.1	864.5	862.5
14°	868.6	865.5	858.9	854.8	855.4
15°	855.9	854.3	848.2	844.7	844.7
17.5°	813.6	814.6	813.1	811.5	810.5
20°	755.0	759.1	762.6	760.6	757.0
22.5°	680.1	687.2	691.3	692.3	685.7
25°	582.3	587.9	594.5	600.1	588.9
27.5°	460.5	465.6	471.7	475.3	473.8
30°	333.7	334.2	333.7	340.3	337.8
32.5°	185.4	200.7	203.3	207.9	191.6
35°	91.2	95.8	108.0	99.3	94.2
37.5°	43.8	46.9	58.6	47.9	45.8
40°	24.5	26.5	33.1	27.5	24.5
42.5°	11.7	15.3	17.8	15.8	11.7
45°	5.1	7.6	11.7	7.6	5.1
47.5°	2.0	3.1	7.1	3.1	2.0
50°	2.0	1.5	3.6	1.5	1.5
52.5°	1.5	1.5	2.0	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.5	1.5	1.5	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	1.0	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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)