

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: P1307842

Luminaire Tested: P3SQAS09R309030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

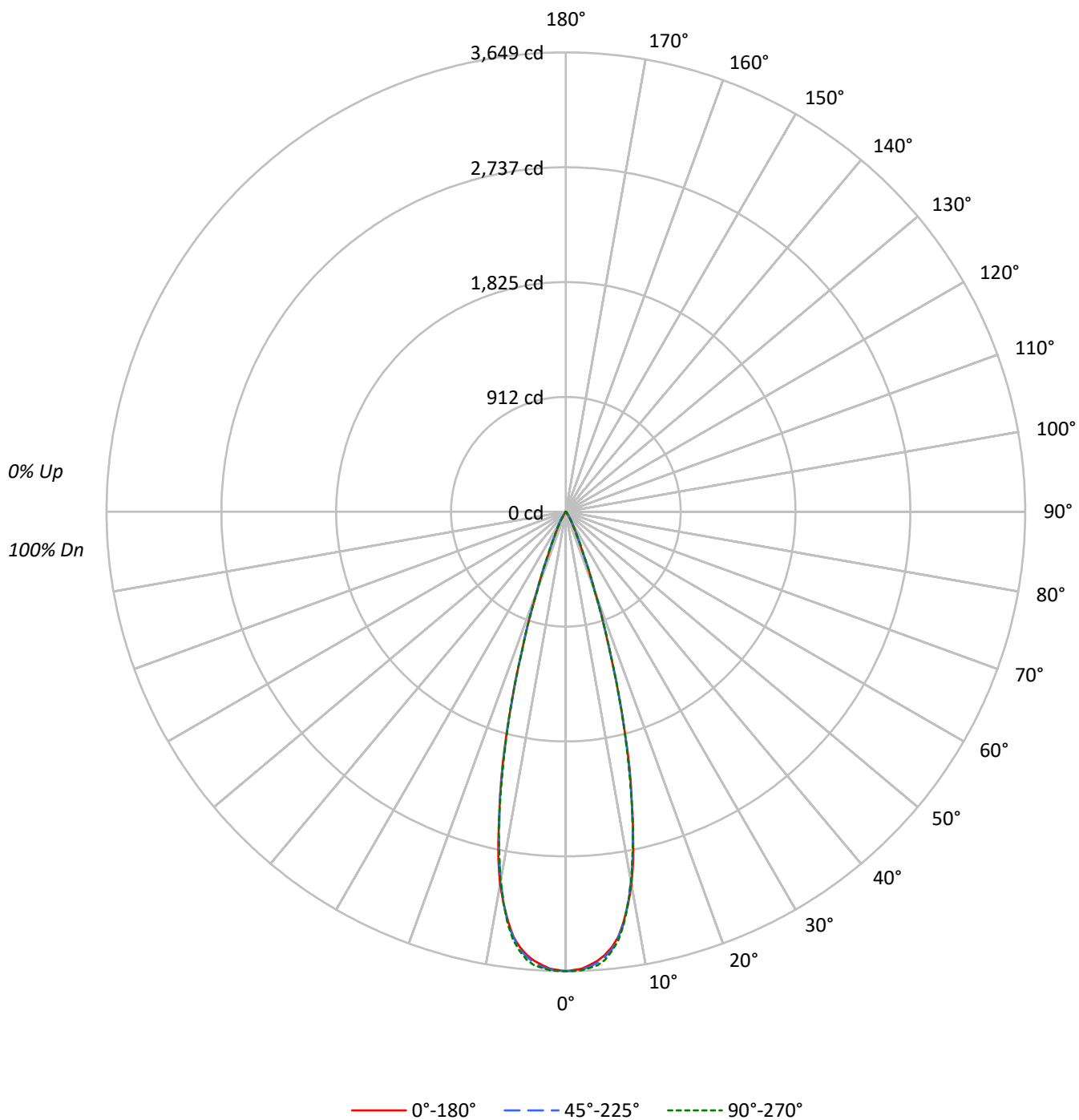
Lumens per Lamp: N/A
Luminaire Lumens: 949.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1307842

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307842

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCD1MW

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	628423	628423	628423
5°	611202	613864	617667
10°	525583	521088	521613
15°	322951	320330	320598
20°	122905	123179	120889
25°	39088	41179	39241
30°	15730	19509	16168
35°	5088	8620	5088
40°	2293	3777	2293
45°	901	1607	901
50°	402	777	402
55°	450	450	450
60°	517	517	517
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1607 cd/sqm

TEST NUMBER: P1307842

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	33.9
10°-20°	477.5	50.3
20°-30°	118.6	12.5
30°-40°	23.7	2.5
40°-50°	4.3	0.5
50°-60°	1.4	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	918.0	96.7
0°-40°	941.7	99.2
0°-60°	947.4	99.8
0°-90°	949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3649	3649	3649	3649	3649	
5°	3535	3547	3551	3556	3573	321
15°	1811	1815	1797	1802	1798	479
25°	206	210	217	214	206	115
35°	24	32	41	31	24	20
45°	4	4	7	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307842

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3648.9	3648.9	3648.9	3648.9	3648.9
1°	3640.8	3645.2	3648.2	3648.2	3648.2
2°	3630.6	3633.5	3637.9	3638.6	3644.5
3°	3606.4	3613.0	3620.3	3624.7	3627.7
4°	3577.1	3585.9	3590.3	3601.3	3610.8
5°	3535.4	3547.1	3550.8	3555.9	3572.8
6°	3479.0	3487.8	3495.1	3497.3	3507.6
7°	3404.4	3408.8	3407.3	3411.0	3429.3
8°	3290.9	3292.3	3304.8	3296.7	3309.2
9°	3156.2	3150.3	3147.4	3153.2	3154.0
10°	3005.4	2985.6	2979.7	2974.6	2982.7
11°	2809.9	2784.3	2786.5	2785.0	2773.3
12°	2566.8	2563.9	2544.9	2548.5	2566.1
13°	2318.6	2323.8	2320.1	2324.5	2304.7
14°	2085.8	2060.9	2067.5	2042.6	2052.1
15°	1811.3	1814.9	1796.6	1802.5	1798.1
17.5°	1159.7	1167.7	1161.9	1156.8	1164.8
20°	670.6	669.9	672.1	665.5	659.6
22.5°	352.9	358.0	364.6	365.3	369.7
25°	205.7	210.1	216.7	213.8	206.5
27.5°	125.9	134.0	144.2	136.9	128.1
30°	79.1	85.7	98.1	86.4	81.3
32.5°	44.7	54.2	64.4	54.2	44.7
35°	24.2	31.5	41.0	30.7	24.2
37.5°	16.1	18.3	27.1	18.3	16.1
40°	10.2	12.4	16.8	12.4	10.2
42.5°	5.9	8.1	9.5	8.1	5.9
45°	3.7	4.4	6.6	5.1	3.7
47.5°	1.5	2.2	4.4	2.2	2.2
50°	1.5	1.5	2.9	1.5	1.5
52.5°	1.5	1.5	1.5	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°	1.5	1.5	1.5	1.5	1.5
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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



TEST NUMBER: P1307842

CATALOG NUMBER: P3SQAS09R309030DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)