

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: P1310677

Luminaire Tested: P3SQAS24R259040D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259040D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

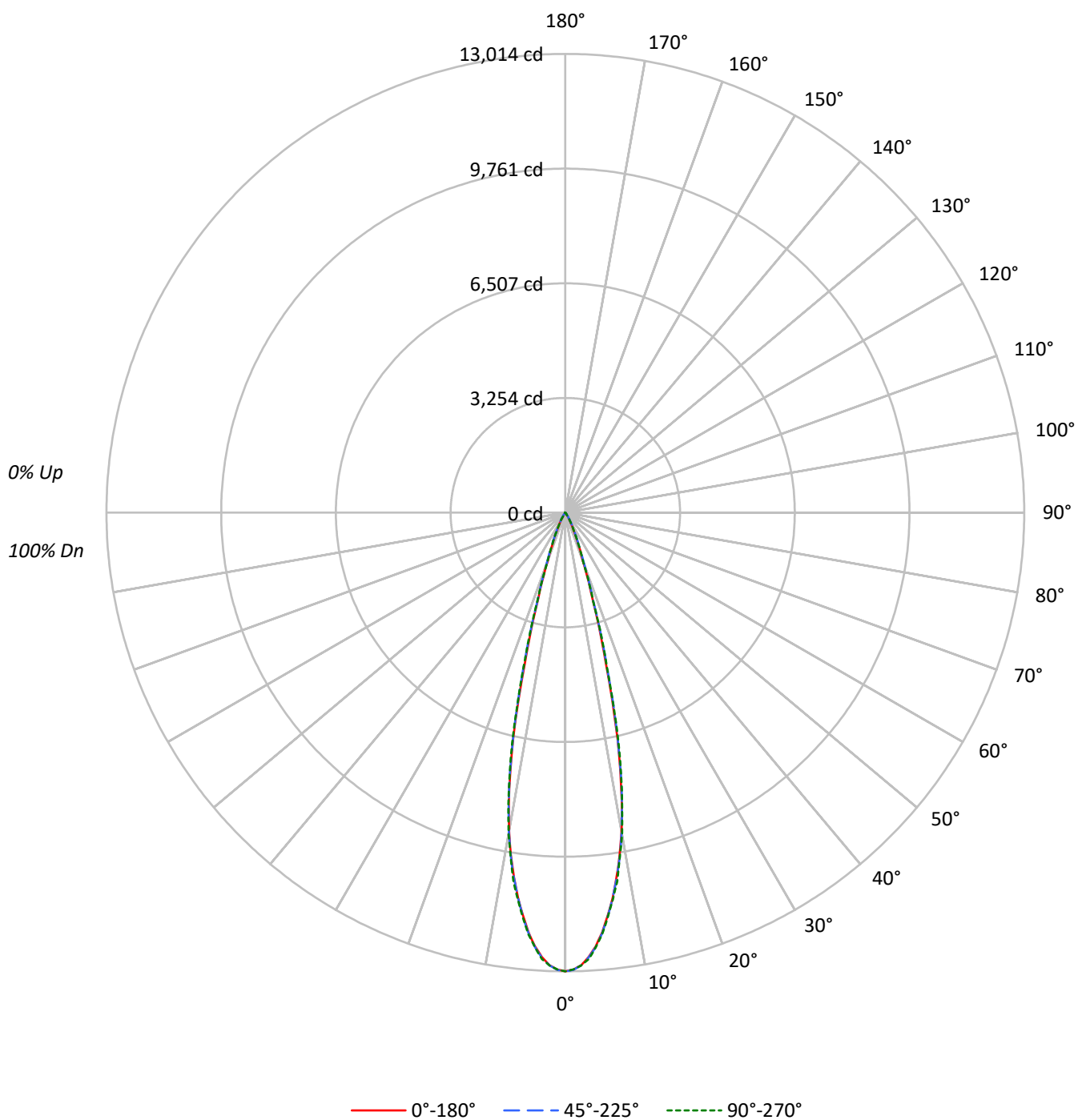
Lumens per Lamp: N/A
Luminaire Lumens: 2709.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1310677

CATALOG NUMBER: P3SQAS24R259040D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310677

CATALOG NUMBER: P3SQAS24R259040D010 E3SQCD1MMS

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	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2241392	2241392	2241392
5°	2066700	2071368	2075690
10°	1604659	1610482	1619191
15°	792998	826358	826714
20°	267014	284920	272347
25°	110577	122833	113750
30°	43392	54549	43810
35°	11353	22286	11795
40°	4204	8880	4204
45°	511	2533	511
50°	0	563	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 2533 cd/sqm

TEST NUMBER: P1310677

CATALOG NUMBER: P3SQAS24R259040D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.6	38.9
10°-20°	1275.6	47.1
20°-30°	311.4	11.5
30°-40°	60.5	2.2
40°-50°	6.9	0.3
50°-60°	0.1	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°	2641.6	97.5
0°-40°	2702.1	99.7
0°-60°	2709.0	100.0
0°-90°	2709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13014	13014	13014	13014	13014	
5°	11954	11971	11982	12034	12006	1051
15°	4448	4554	4635	4680	4637	1253
25°	582	613	646	619	599	296
35°	54	77	106	77	56	48
45°	2	6	10	6	2	4
55°	0	0	0	0	0	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	

TEST NUMBER: P1310677

CATALOG NUMBER: P3SQAS24R259040D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13014.5	13014.5	13014.5	13014.5	13014.5
1°	12964.6	12972.9	12975.0	12987.5	12962.5
2°	12846.1	12848.2	12854.4	12879.4	12856.5
3°	12627.9	12642.5	12644.5	12677.8	12684.0
4°	12330.7	12339.0	12355.6	12411.8	12361.9
5°	11954.5	11971.2	11981.5	12033.5	12006.5
6°	11489.0	11493.1	11516.0	11576.3	11538.9
7°	11015.1	11013.0	11015.1	11062.9	11052.5
8°	10443.6	10433.2	10466.4	10524.6	10564.1
9°	9847.1	9861.7	9882.4	9938.6	9892.8
10°	9175.8	9215.3	9209.1	9213.2	9258.9
11°	8402.7	8415.1	8417.2	8460.9	8454.6
12°	7494.4	7494.4	7563.0	7633.7	7610.8
13°	6577.9	6642.3	6596.6	6611.2	6702.6
14°	5509.6	5559.5	5621.9	5680.1	5634.3
15°	4447.6	4553.6	4634.7	4680.4	4636.7
17.5°	2548.0	2583.4	2651.9	2660.3	2633.2
20°	1456.9	1500.6	1554.6	1538.0	1486.0
22.5°	916.5	929.0	983.0	956.0	943.6
25°	581.9	613.1	646.4	619.3	598.6
27.5°	361.6	382.4	417.7	388.6	365.8
30°	218.2	236.9	274.3	234.9	220.3
32.5°	114.3	141.3	172.5	143.4	114.3
35°	54.0	76.9	106.0	76.9	56.1
37.5°	33.3	41.6	64.4	41.6	33.3
40°	18.7	27.0	39.5	27.0	18.7
42.5°	8.3	14.5	18.7	14.5	10.4
45°	2.1	6.2	10.4	6.2	2.1
47.5°	0.0	0.0	6.2	2.1	0.0
50°	0.0	0.0	2.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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: P1310677

CATALOG NUMBER: P3SQAS24R259040D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)