

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: P1310729

Luminaire Tested: P3SQAS24R409040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

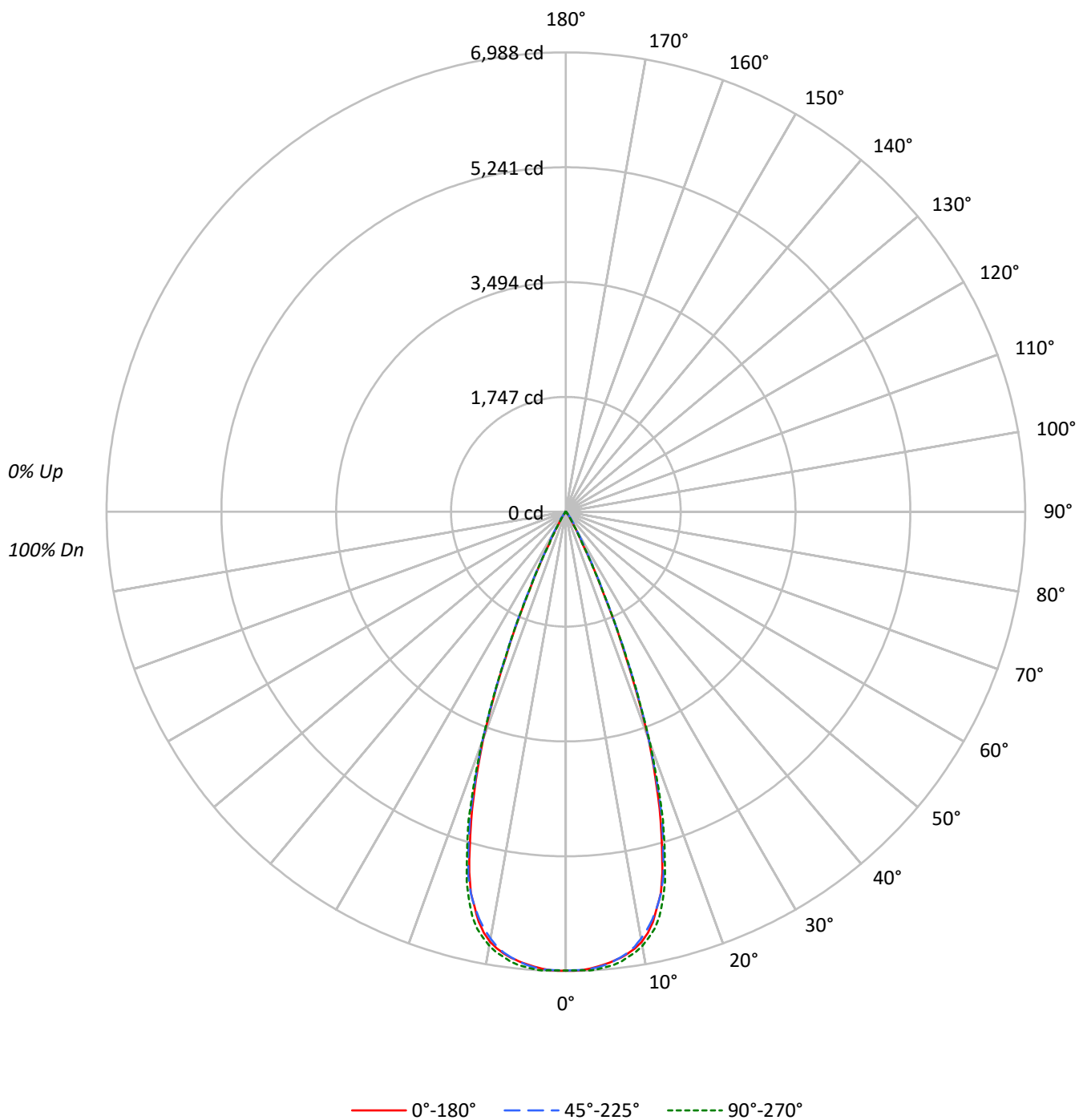
Lumens per Lamp: N/A
Luminaire Lumens: 2954.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310729

CATALOG NUMBER: P3SQAS24R409040D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310729

CATALOG NUMBER: P3SQAS24R409040D010 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	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1202062	1202062	1202062
5°	1194086	1195884	1202349
10°	1161759	1153033	1172287
15°	1012233	1022610	1038532
20°	674252	677680	684149
25°	245134	252640	246313
30°	52043	69822	52043
35°	18333	31011	17471
40°	6542	9802	6542
45°	1510	4043	1510
50°	1125	1661	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	856	1712	856
70°	1057	1057	1057
75°	1397	1397	1397
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4043 cd/sqm

TEST NUMBER: P1310729

CATALOG NUMBER: P3SQAS24R409040D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.2	22.1
10°-20°	1519.9	51.5
20°-30°	684.0	23.2
30°-40°	77.8	2.6
40°-50°	11.1	0.4
50°-60°	3.8	0.1
60°-70°	3.2	0.1
70°-80°	1.9	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°	2856.1	96.7
0°-40°	2933.9	99.3
0°-60°	2948.9	99.8
0°-90°	2954.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2954.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6980	6980	6980	6980	6980	
5°	6907	6899	6917	6948	6955	652
15°	5677	5692	5735	5781	5825	1508
25°	1290	1298	1330	1330	1296	668
35°	87	98	148	94	83	65
45°	6	10	17	10	6	8
55°	4	4	4	4	4	4
65°	2	4	4	4	2	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310729

CATALOG NUMBER: P3SQAS24R409040D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6979.7	6979.7	6979.7	6979.7	6979.7
1°	6983.8	6977.6	6975.5	6988.0	6977.6
2°	6977.6	6973.5	6975.5	6988.0	6979.7
3°	6958.9	6961.0	6967.2	6990.1	6988.0
4°	6936.1	6934.0	6946.5	6975.5	6975.5
5°	6907.0	6898.7	6917.4	6948.5	6954.8
6°	6873.8	6863.4	6877.9	6917.4	6931.9
7°	6836.4	6815.6	6828.1	6875.8	6894.5
8°	6786.5	6759.5	6774.0	6821.8	6836.4
9°	6724.2	6682.6	6695.1	6753.3	6782.4
10°	6643.2	6591.2	6593.3	6657.7	6703.4
11°	6528.9	6470.8	6472.8	6553.8	6601.6
12°	6377.3	6325.3	6335.7	6410.5	6487.4
13°	6171.6	6157.1	6169.5	6250.6	6321.2
14°	5972.2	5957.7	5980.5	6055.3	6088.5
15°	5677.2	5691.8	5735.4	5781.1	5824.7
17.5°	4742.5	4798.5	4850.5	4881.6	4919.0
20°	3678.9	3614.5	3697.6	3660.2	3732.9
22.5°	2374.3	2422.1	2442.9	2422.1	2430.4
25°	1290.0	1298.3	1329.5	1329.5	1296.2
27.5°	548.4	592.0	631.5	617.0	548.4
30°	261.7	301.2	351.1	303.3	261.7
32.5°	147.5	174.5	226.4	170.3	143.3
35°	87.2	97.6	147.5	93.5	83.1
37.5°	51.9	54.0	81.0	56.1	49.9
40°	29.1	35.3	43.6	35.3	29.1
42.5°	14.5	20.8	27.0	20.8	14.5
45°	6.2	10.4	16.6	10.4	6.2
47.5°	6.2	6.2	10.4	6.2	6.2
50°	4.2	4.2	6.2	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	2.1	4.2	4.2	4.2	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
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: P1310729

CATALOG NUMBER: P3SQAS24R409040D010 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)