

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: P1311806

Luminaire Tested: P3SQAS24R409050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311806
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: P3SQAS24R409050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

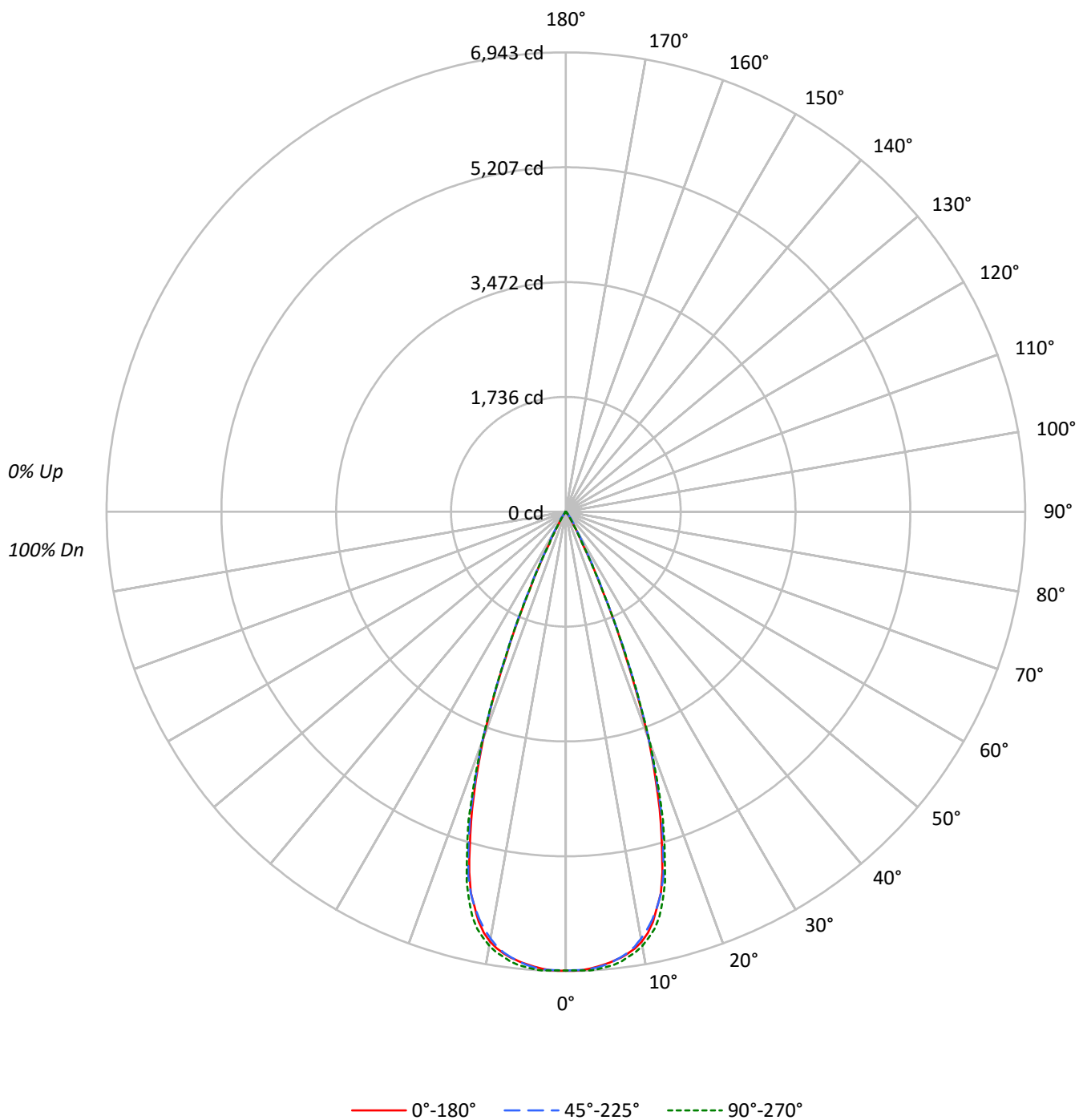
Lumens per Lamp: N/A
Luminaire Lumens: 2935.0 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311806

CATALOG NUMBER: P3SQAS24R409050D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311806

CATALOG NUMBER: P3SQAS24R409050D010 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	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1194330	1194330	1194330
5°	1186410	1188190	1194604
10°	1154274	1145618	1164750
15°	1005726	1016031	1031864
20°	669909	673318	679751
25°	243557	251006	244735
30°	51725	69364	51725
35°	18228	30801	17366
40°	6497	9735	6497
45°	1510	4019	1510
50°	1099	1661	1099
55°	1231	1231	1231
60°	1412	1412	1412
65°	856	1671	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: 4019 cd/sqm

TEST NUMBER: P1311806

CATALOG NUMBER: P3SQAS24R409050D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.0	22.1
10°-20°	1510.1	51.5
20°-30°	679.6	23.2
30°-40°	77.3	2.6
40°-50°	11.1	0.4
50°-60°	3.7	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°	2837.7	96.7
0°-40°	2915.1	99.3
0°-60°	2929.9	99.8
0°-90°	2935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6935	6935	6935	6935	6935	
5°	6863	6854	6873	6904	6910	647
15°	5641	5655	5698	5744	5787	1498
25°	1282	1290	1321	1321	1288	664
35°	87	97	146	93	83	65
45°	6	10	16	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: P1311806

CATALOG NUMBER: P3SQAS24R409050D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6934.8	6934.8	6934.8	6934.8	6934.8
1°	6938.9	6932.7	6930.7	6943.1	6932.7
2°	6932.7	6928.6	6930.7	6943.1	6934.8
3°	6914.2	6916.2	6922.4	6945.1	6943.1
4°	6891.5	6889.4	6901.8	6930.7	6930.7
5°	6862.6	6854.3	6872.9	6903.8	6910.0
6°	6829.5	6819.2	6833.7	6872.9	6887.3
7°	6792.4	6771.7	6784.1	6831.6	6850.2
8°	6742.9	6716.0	6730.5	6777.9	6792.4
9°	6680.9	6639.7	6652.0	6709.8	6738.7
10°	6600.4	6548.8	6550.9	6614.9	6660.3
11°	6486.9	6429.1	6431.2	6511.7	6559.2
12°	6336.3	6284.7	6295.0	6369.3	6445.6
13°	6131.9	6117.5	6129.9	6210.4	6280.5
14°	5933.8	5919.3	5942.0	6016.4	6049.4
15°	5640.7	5655.2	5698.5	5743.9	5787.3
17.5°	4711.9	4767.7	4819.3	4850.2	4887.4
20°	3655.2	3591.2	3673.8	3636.6	3708.9
22.5°	2359.1	2406.5	2427.2	2406.5	2414.8
25°	1281.7	1290.0	1320.9	1320.9	1287.9
27.5°	544.9	588.2	627.4	613.0	544.9
30°	260.1	299.3	348.8	301.3	260.1
32.5°	146.5	173.4	225.0	169.2	142.4
35°	86.7	97.0	146.5	92.9	82.6
37.5°	51.6	53.7	80.5	55.7	49.5
40°	28.9	35.1	43.3	35.1	28.9
42.5°	14.4	20.6	26.8	20.6	14.4
45°	6.2	10.3	16.5	10.3	6.2
47.5°	6.2	6.2	10.3	6.2	6.2
50°	4.1	4.1	6.2	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	2.1	4.1	4.1	4.1	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: P1311806

CATALOG NUMBER: P3SQAS24R409050D010 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)