

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: P1310681

Luminaire Tested: P3SQAS24R259040D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259040D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

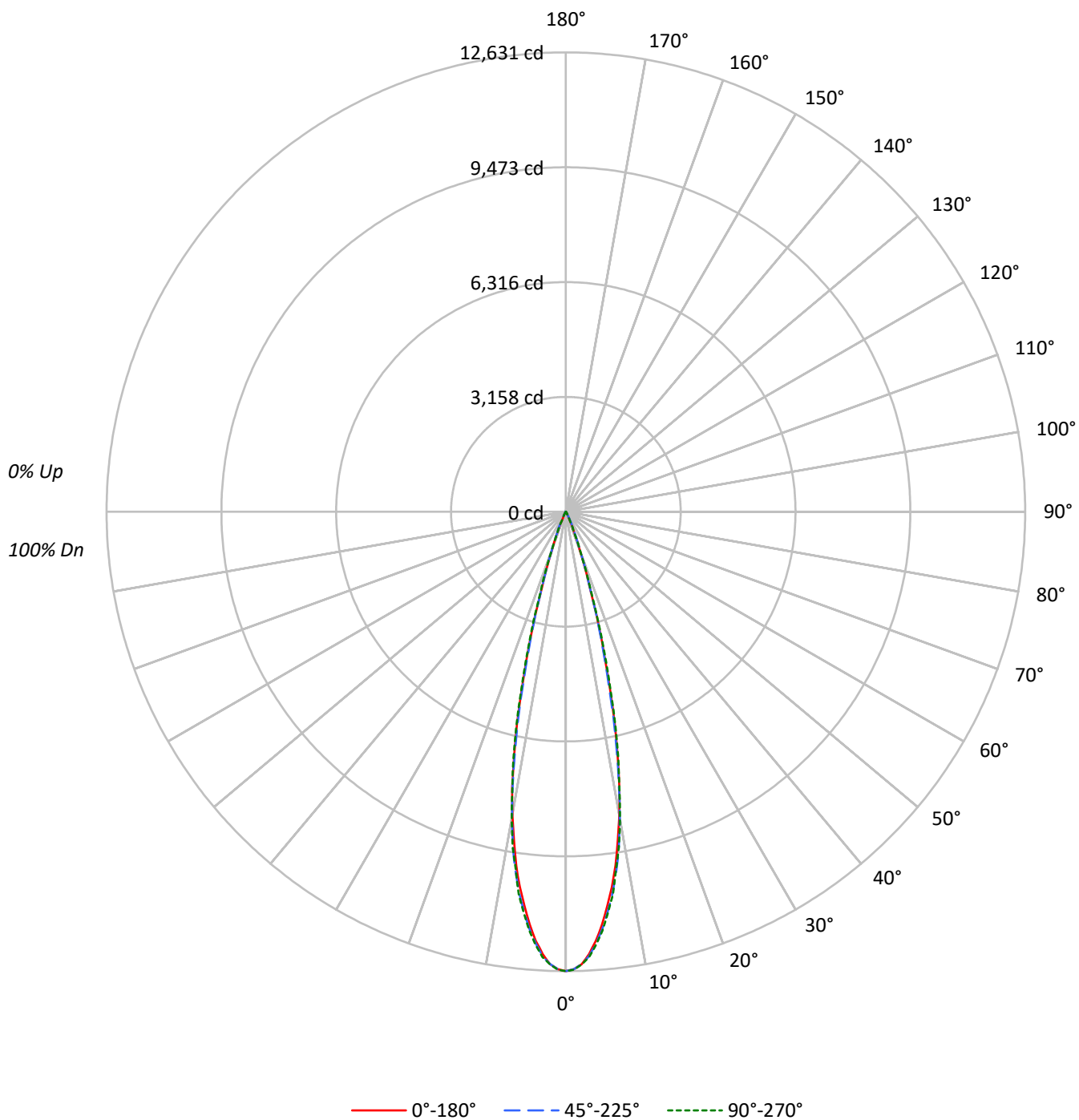
Lumens per Lamp: N/A
Luminaire Lumens: 2331.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310681

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310681

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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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2175275	2175275	2175275
5°	1971218	1989180	1998896
10°	1481876	1492421	1499329
15°	733750	711873	759318
20°	207230	210657	212929
25°	35934	67935	42661
30°	14060	14458	14875
35°	4373	4815	4815
40°	1394	1866	1394
45°	1023	511	1023
50°	563	0	563
55°	631	0	631
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: 0°

Vertical Angle: 45°

Luminance: 1023 cd/sqm

TEST NUMBER: P1310681

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1003.4	43.0
10°-20°	1131.5	48.5
20°-30°	175.5	7.5
30°-40°	17.8	0.8
40°-50°	2.4	0.1
50°-60°	0.4	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°	2310.4	99.1
0°-40°	2328.2	99.9
0°-60°	2331.0	100.0
0°-90°	2331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12631	12631	12631	12631	12631	
5°	11402	11423	11506	11552	11562	994
15°	4115	4086	3993	4171	4259	1127
25°	189	281	358	272	224	159
35°	21	23	23	25	23	17
45°	4	2	2	2	4	3
55°	2	0	0	0	2	1
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: P1310681

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12630.6	12630.6	12630.6	12630.6	12630.6
1°	12578.6	12595.2	12576.5	12597.3	12595.2
2°	12447.7	12464.3	12441.4	12453.9	12453.9
3°	12179.6	12214.9	12235.7	12250.2	12262.7
4°	11826.2	11865.7	11896.9	11934.3	11934.3
5°	11402.2	11423.0	11506.1	11551.9	11562.3
6°	10897.2	10980.3	11042.7	11134.1	11078.0
7°	10392.1	10460.7	10548.0	10562.5	10602.0
8°	9818.5	9891.2	9972.3	9957.7	9924.5
9°	9120.1	9226.1	9321.7	9290.5	9332.1
10°	8473.7	8538.2	8534.0	8502.8	8573.5
11°	7723.4	7738.0	7656.9	7783.7	7706.8
12°	6833.9	6846.3	6742.4	6867.1	6946.1
13°	5981.7	5952.6	5809.2	5973.4	6073.1
14°	5000.7	5011.1	4828.2	5146.2	5121.2
15°	4115.3	4086.2	3992.6	4171.4	4258.7
17.5°	2192.7	2211.4	2188.6	2278.0	2334.1
20°	1130.7	1161.8	1149.4	1186.8	1161.8
22.5°	586.1	629.8	642.2	613.1	534.2
25°	189.1	280.6	357.5	272.3	224.5
27.5°	114.3	112.2	174.6	120.5	122.6
30°	70.7	68.6	72.7	72.7	74.8
32.5°	39.5	41.6	39.5	43.6	41.6
35°	20.8	22.9	22.9	24.9	22.9
37.5°	12.5	14.5	14.5	14.5	12.5
40°	6.2	8.3	8.3	6.2	6.2
42.5°	4.2	4.2	4.2	4.2	4.2
45°	4.2	2.1	2.1	2.1	4.2
47.5°	2.1	2.1	0.0	2.1	2.1
50°	2.1	2.1	0.0	2.1	2.1
52.5°	2.1	0.0	0.0	0.0	2.1
55°	2.1	0.0	0.0	0.0	2.1
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: P1310681

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)