

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: P1311756

Luminaire Tested: P3SQAS24R259050D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311756
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: P3SQAS24R259050D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

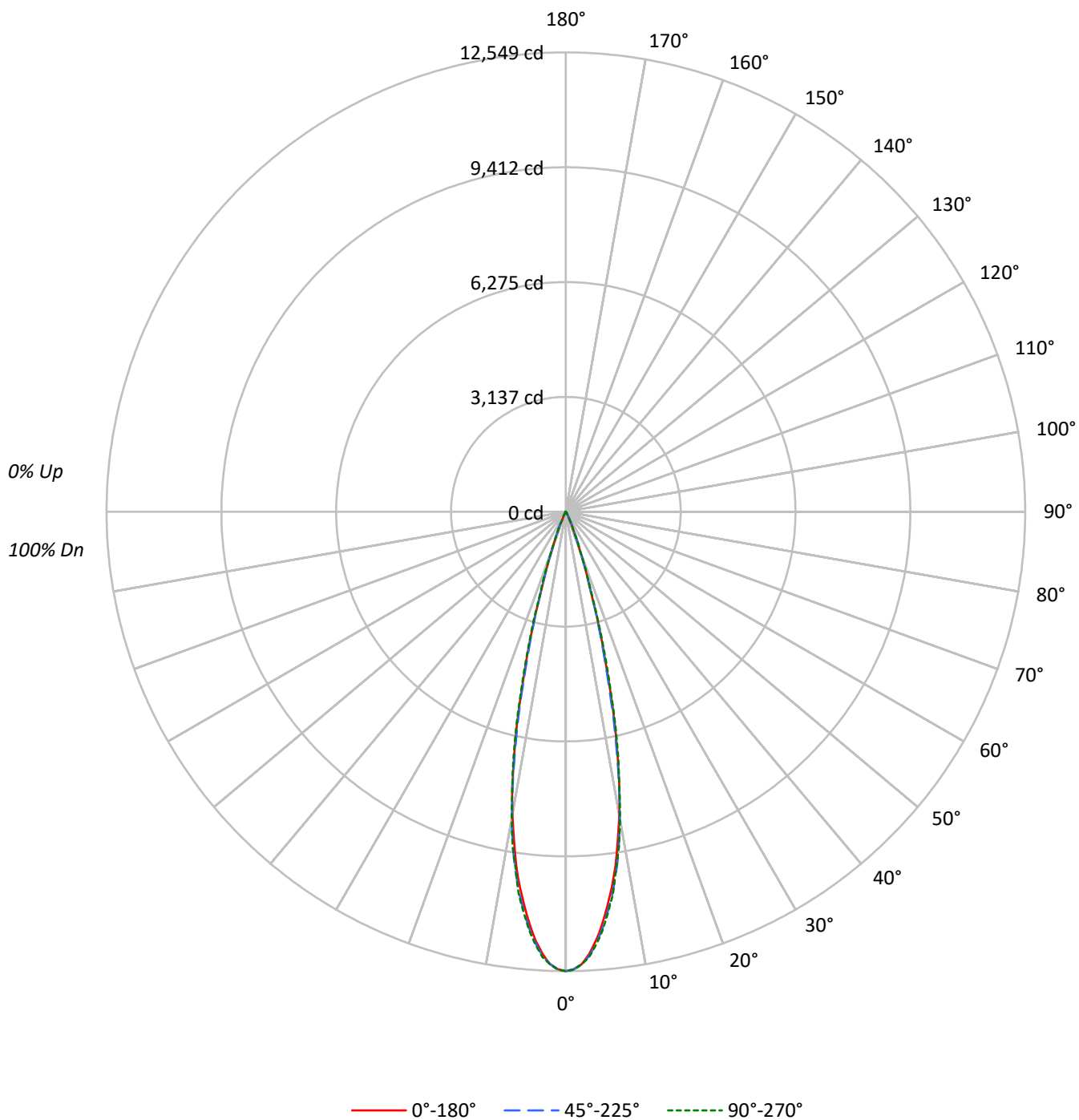
Lumens per Lamp: N/A
Luminaire Lumens: 2316.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311756

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311756

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPH1MB

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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2161274	2161274	2161274
5°	1958546	1976387	1986034
10°	1472345	1482820	1489676
15°	729025	707308	754432
20°	205892	209301	211573
25°	35706	67497	42376
30°	13960	14378	14776
35°	4352	4773	4773
40°	1394	1866	1394
45°	999	511	999
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: 999 cd/sqm

TEST NUMBER: P1311756

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.9	43.0
10°-20°	1124.3	48.5
20°-30°	174.4	7.5
30°-40°	17.7	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°	2295.6	99.1
0°-40°	2313.2	99.9
0°-60°	2316.0	100.0
0°-90°	2316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12549	12549	12549	12549	12549	
5°	11329	11350	11432	11478	11488	987
15°	4089	4060	3967	4145	4231	1120
25°	188	279	355	270	223	158
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: P1311756

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12549.3	12549.3	12549.3	12549.3	12549.3
1°	12497.7	12514.2	12495.6	12516.3	12514.2
2°	12367.6	12384.1	12361.4	12373.8	12373.8
3°	12101.2	12136.3	12156.9	12171.4	12183.8
4°	11750.1	11789.4	11820.3	11857.5	11857.5
5°	11328.9	11349.5	11432.1	11477.5	11487.9
6°	10827.0	10909.6	10971.6	11062.5	11006.7
7°	10325.2	10393.4	10480.1	10494.6	10533.8
8°	9755.3	9827.6	9908.1	9893.6	9860.6
9°	9061.4	9166.7	9261.7	9230.8	9272.1
10°	8419.2	8483.2	8479.1	8448.1	8518.3
11°	7673.7	7688.2	7607.6	7733.6	7657.2
12°	6789.9	6802.3	6699.0	6822.9	6901.4
13°	5943.2	5914.3	5771.8	5934.9	6034.1
14°	4968.5	4978.8	4797.1	5113.1	5088.3
15°	4088.8	4059.9	3967.0	4144.6	4231.3
17.5°	2178.6	2197.2	2174.5	2263.3	2319.0
20°	1123.4	1154.4	1142.0	1179.1	1154.4
22.5°	582.3	625.7	638.1	609.2	530.7
25°	187.9	278.8	355.2	270.5	223.0
27.5°	113.6	111.5	173.5	119.8	121.8
30°	70.2	68.1	72.3	72.3	74.3
32.5°	39.2	41.3	39.2	43.4	41.3
35°	20.7	22.7	22.7	24.8	22.7
37.5°	12.4	14.5	14.5	14.5	12.4
40°	6.2	8.3	8.3	6.2	6.2
42.5°	4.1	4.1	4.1	4.1	4.1
45°	4.1	2.1	2.1	2.1	4.1
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: P1311756

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPH1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)