

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: P1311789

Luminaire Tested: P3SQAS24R359050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

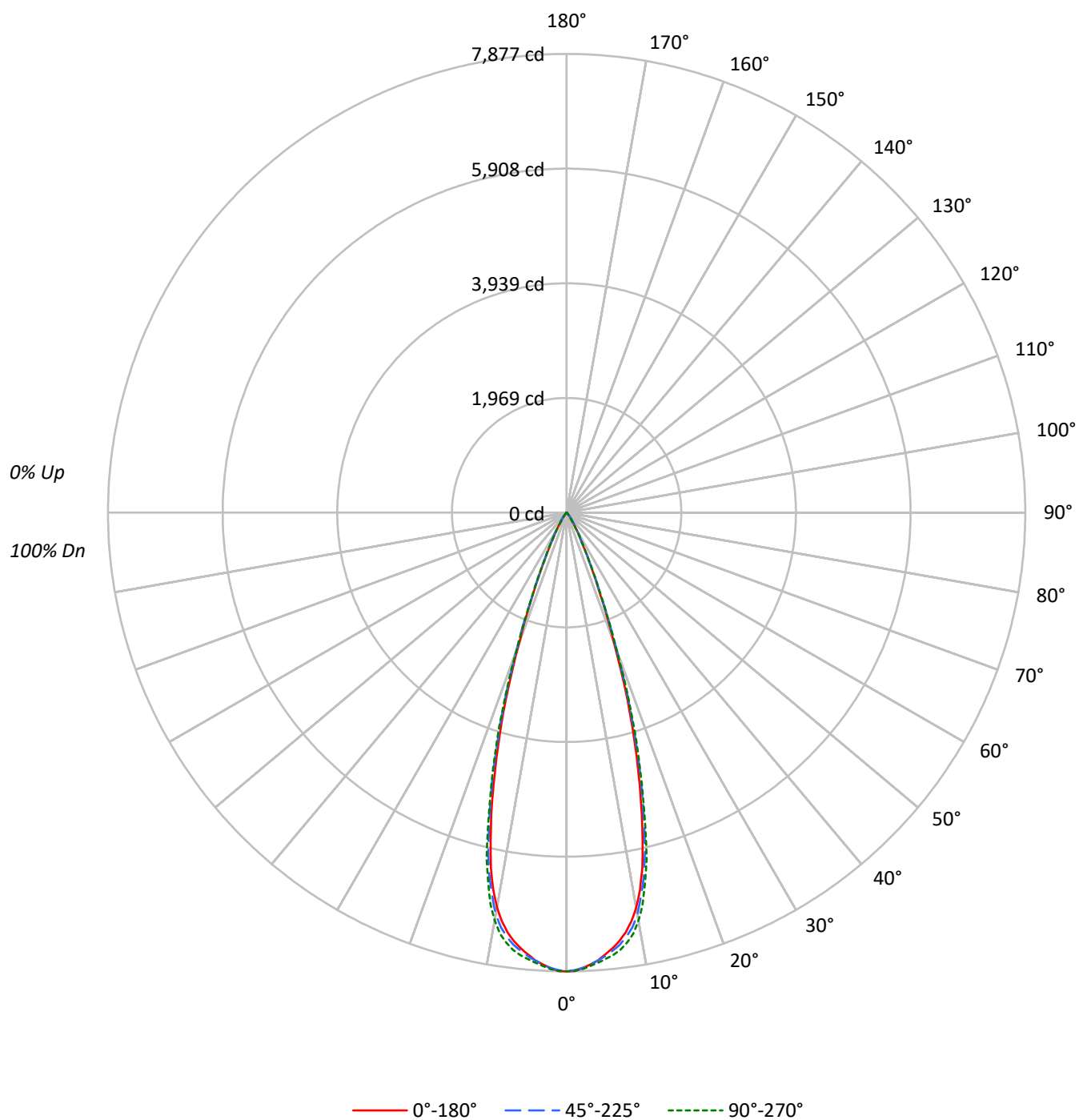
Lumens per Lamp: N/A
Luminaire Lumens: 2646.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311789

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311789

CATALOG NUMBER: P3SQAS24R359050D010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	90	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	87	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	84	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	81	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	78	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	76	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	73	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	71	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1356632	1356632	1356632
5°	1316468	1321118	1330039
10°	1204237	1225170	1243953
15°	864407	896072	905272
20°	434803	460168	461304
25°	164791	169903	170682
30°	66938	76782	65705
35°	24304	36898	23442
40°	10207	15782	9757
45°	2509	6527	2509
50°	1661	2760	1661
55°	1862	1862	1862
60°	2136	2136	2136
65°	1671	1671	1671
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6527 cd/sqm

TEST NUMBER: P1311789

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.2	26.9
10°-20°	1326.8	50.1
20°-30°	477.2	18.0
30°-40°	100.3	3.8
40°-50°	17.3	0.7
50°-60°	5.7	0.2
60°-70°	4.1	0.2
70°-80°	2.2	0.1
80°-90°	0.4	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°	2516.2	95.1
0°-40°	2616.5	98.9
0°-60°	2639.4	99.7
0°-90°	2646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7877	7877	7877	7877	7877	
5°	7615	7629	7642	7693	7693	706
15°	4848	4933	5026	5079	5077	1290
25°	867	880	894	902	898	461
35°	116	136	176	134	112	88
45°	10	16	27	16	10	12
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1311789

CATALOG NUMBER: P3SQAS24R359050D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7877.2	7877.2	7877.2	7877.2	7877.2
1°	7873.0	7873.0	7856.5	7875.1	7868.9
2°	7829.7	7833.8	7823.5	7846.2	7844.1
3°	7769.8	7780.1	7771.9	7804.9	7794.6
4°	7705.8	7714.1	7709.9	7751.2	7747.1
5°	7614.9	7629.4	7641.8	7693.4	7693.4
6°	7522.0	7536.5	7563.3	7619.1	7637.7
7°	7414.7	7433.2	7476.6	7550.9	7563.3
8°	7278.4	7299.0	7358.9	7439.4	7456.0
9°	7109.1	7140.0	7208.2	7305.2	7315.6
10°	6886.1	6910.9	7005.8	7086.4	7113.2
11°	6597.0	6617.7	6702.3	6832.4	6848.9
12°	6246.0	6270.8	6380.2	6464.9	6481.4
13°	5802.1	5849.6	5981.7	6064.3	6109.7
14°	5345.7	5409.8	5504.7	5622.4	5593.5
15°	4848.1	4932.8	5025.7	5079.4	5077.3
17.5°	3627.8	3677.4	3760.0	3791.0	3832.3
20°	2372.4	2436.5	2510.8	2539.7	2517.0
22.5°	1472.2	1488.7	1511.4	1523.8	1519.7
25°	867.2	879.6	894.1	902.3	898.2
27.5°	522.4	551.3	571.9	547.2	532.7
30°	336.6	348.9	386.1	353.1	330.4
32.5°	200.3	229.2	260.2	220.9	192.0
35°	115.6	136.3	175.5	134.2	111.5
37.5°	74.3	84.7	113.6	82.6	72.3
40°	45.4	57.8	70.2	53.7	43.4
42.5°	22.7	35.1	41.3	31.0	22.7
45°	10.3	16.5	26.8	16.5	10.3
47.5°	6.2	8.3	16.5	8.3	6.2
50°	6.2	6.2	10.3	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2
62.5°	4.1	4.1	4.1	4.1	4.1
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
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°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	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: P1311789

CATALOG NUMBER: P3SQAS24R359050D010 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)