

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: P1310992

Luminaire Tested: P3SQAS05R259050DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R259050DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

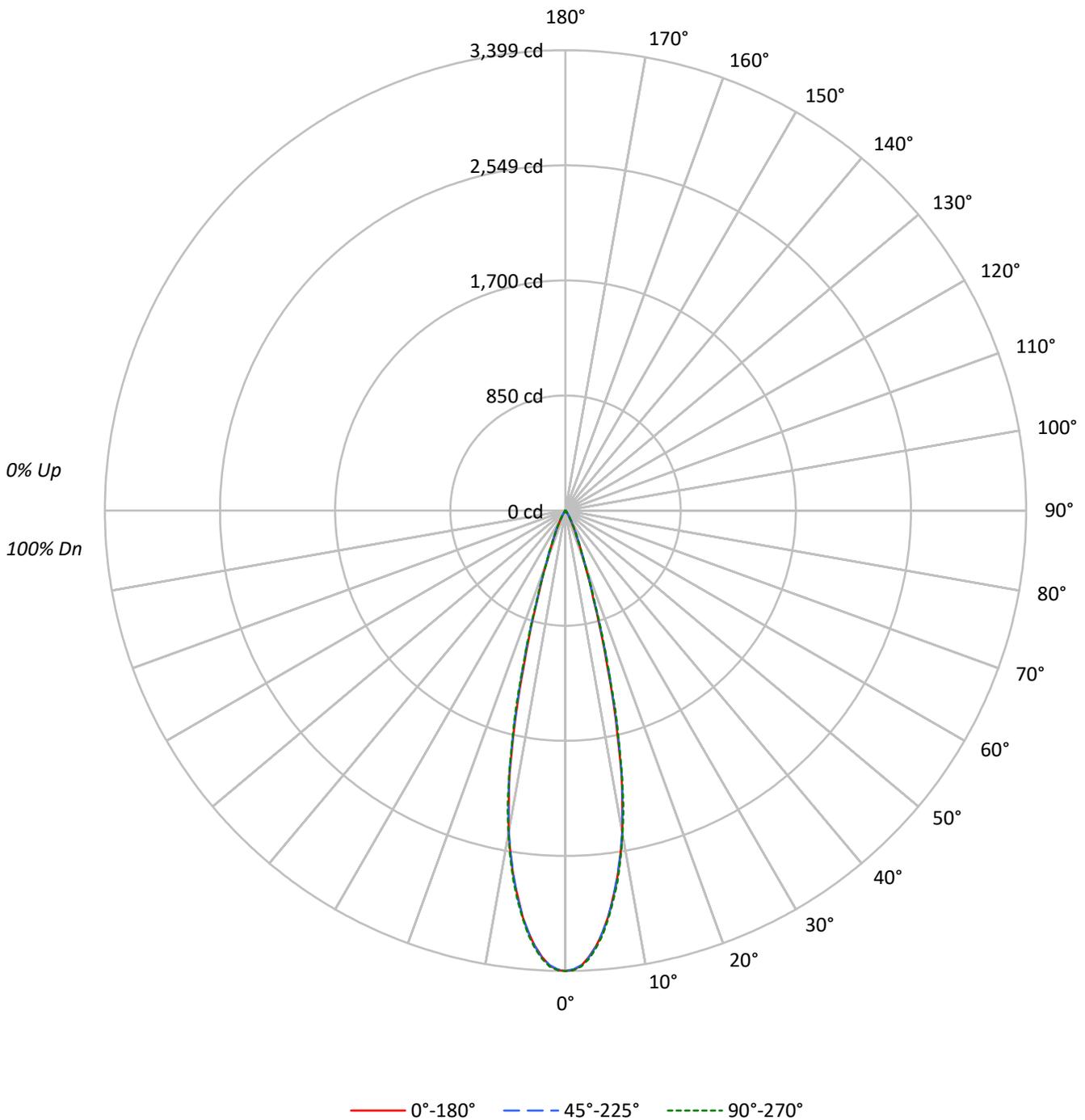
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 717.9 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1310992  
CATALOG NUMBER: P3SQAS05R259050DE010 E3SQCD1MW

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	95	95	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	93	93	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	87	87	87	86
6	100	94	90	87	98	93	89	87	92	88	86	91	88	86	89	87	85	85	85	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	83	83	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	81	81	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	79	79	79	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	77	77	77	76

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	585333	585333	585333
5°	540666	540476	543502
10°	422334	421180	424065
15°	212460	221339	221143
20°	72705	74703	73493
25°	29207	32856	30461
30°	11852	14139	11534
35°	3448	6202	3448
40°	1596	2698	1596
45°	536	1072	536
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	496	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1072 cd/sqm



TEST NUMBER: P1310992

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.7	38.4
10°-20°	337.5	47.0
20°-30°	82.4	11.5
30°-40°	17.0	2.4
40°-50°	3.0	0.4
50°-60°	1.0	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	695.7	96.9
0°-40°	712.7	99.3
0°-60°	716.7	99.8
0°-90°	717.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3399	3399	3399	3399	3399	
5°	3127	3130	3126	3133	3144	275
15°	1192	1212	1241	1247	1240	333
25°	154	161	173	163	160	79
35°	16	23	30	22	16	14
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1310992

CATALOG NUMBER: P3SQAS05R259050DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3398.7	3398.7	3398.7	3398.7	3398.7
1°	3392.2	3387.8	3386.7	3387.2	3392.7
2°	3361.5	3358.8	3358.2	3359.9	3367.5
3°	3299.2	3302.4	3303.5	3309.0	3312.8
4°	3222.6	3229.1	3226.4	3233.0	3237.3
5°	3127.4	3130.1	3126.3	3132.8	3143.8
6°	3016.3	3006.4	3015.7	3018.5	3026.1
7°	2877.9	2880.1	2883.3	2886.6	2898.1
8°	2741.6	2735.1	2733.4	2748.7	2758.0
9°	2582.4	2583.5	2577.5	2595.0	2597.7
10°	2415.0	2401.3	2408.4	2422.1	2424.9
11°	2194.0	2190.1	2200.5	2221.9	2238.8
12°	1986.6	1988.8	1999.7	2006.8	2003.0
13°	1712.5	1728.9	1742.6	1749.7	1740.4
14°	1464.6	1464.6	1482.2	1484.9	1518.3
15°	1191.6	1211.9	1241.4	1246.9	1240.3
17.5°	688.3	691.0	705.2	704.7	715.1
20°	396.7	400.5	407.6	406.0	401.0
22.5°	238.5	246.8	263.7	250.0	246.2
25°	153.7	160.9	172.9	163.0	160.3
27.5°	96.3	101.2	110.5	101.8	97.4
30°	59.6	62.4	71.1	62.9	58.0
32.5°	32.3	39.4	46.5	39.4	32.3
35°	16.4	23.0	29.5	22.4	16.4
37.5°	10.9	13.1	19.1	12.6	10.9
40°	7.1	8.8	12.0	8.8	7.1
42.5°	3.8	5.5	6.6	6.0	3.8
45°	2.2	3.3	4.4	3.3	2.2
47.5°	1.6	1.6	2.7	1.6	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	1.1	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	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



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CATALOG NUMBER: P3SQAS05R259050DE010 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)