

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: P1310229

Luminaire Tested: P3SQAS13R259040DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310229  
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: P3SQAS13R259040DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

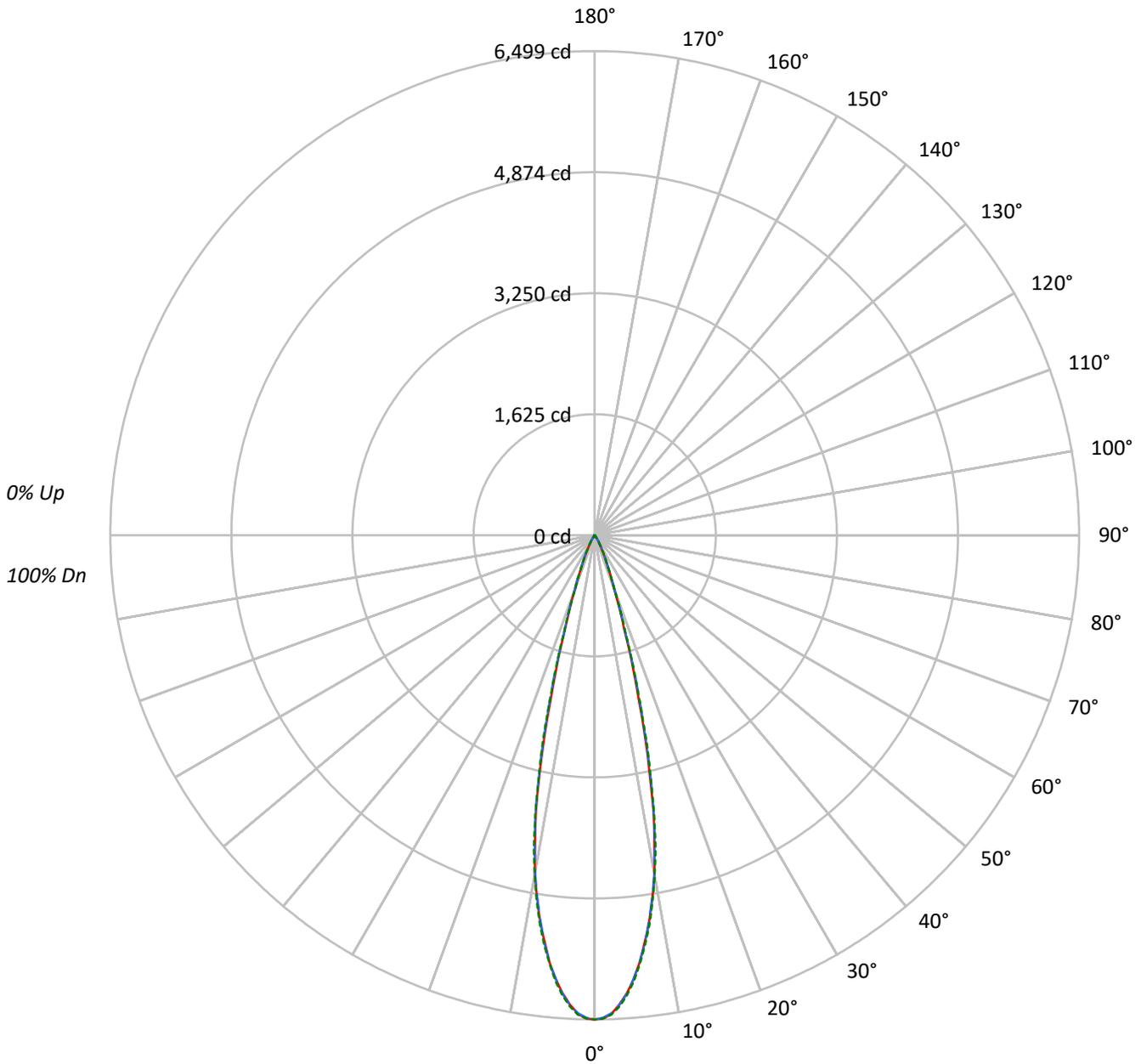
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1372.9 lumens  
Efficiency: N/A  
Efficacy: 94.0 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): 14.6  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	90	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°	1119309	1119309	1119309
5°	1033877	1033514	1039306
10°	807611	805407	810899
15°	406288	423262	422887
20°	139014	142845	140554
25°	55868	62823	58243
30°	22671	27046	22054
35°	6602	11879	6602
40°	3058	5171	3058
45°	1023	2046	1023
50°	563	831	563
55°	631	631	631
60°	723	723	723
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	992	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2046 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	527.3	38.4
10°-20°	645.4	47.0
20°-30°	157.7	11.5
30°-40°	32.6	2.4
40°-50°	5.7	0.4
50°-60°	1.9	0.1
60°-70°	1.5	0.1
70°-80°	1.0	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°	1330.3	96.9
0°-40°	1362.9	99.3
0°-60°	1370.5	99.8
0°-90°	1372.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6499	6499	6499	6499	6499	
5°	5980	5986	5978	5991	6012	527
15°	2279	2317	2374	2384	2372	636
25°	294	308	331	312	306	150
35°	31	44	56	43	31	27
45°	4	6	8	6	4	4
55°	2	2	2	2	2	2
65°	1	2	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6499.2	6499.2	6499.2	6499.2	6499.2
1°	6486.7	6478.3	6476.2	6477.3	6487.7
2°	6428.1	6422.9	6421.8	6425.0	6439.6
3°	6308.8	6315.1	6317.2	6327.7	6335.0
4°	6162.4	6174.9	6169.7	6182.2	6190.6
5°	5980.3	5985.5	5978.2	5990.8	6011.7
6°	5767.9	5749.1	5766.9	5772.1	5786.8
7°	5503.2	5507.4	5513.7	5520.0	5541.9
8°	5242.7	5230.2	5227.0	5256.3	5274.1
9°	4938.3	4940.3	4928.8	4962.3	4967.5
10°	4618.1	4591.9	4605.5	4631.7	4636.9
11°	4195.4	4188.1	4208.0	4248.8	4281.2
12°	3798.9	3803.1	3824.0	3837.6	3830.3
13°	3274.7	3306.1	3332.3	3345.9	3328.1
14°	2800.8	2800.8	2834.3	2839.5	2903.3
15°	2278.7	2317.4	2373.9	2384.4	2371.8
17.5°	1316.2	1321.4	1348.6	1347.6	1367.4
20°	758.5	765.8	779.4	776.3	766.9
22.5°	456.2	471.9	504.3	478.1	470.8
25°	294.0	307.6	330.6	311.8	306.5
27.5°	184.1	193.6	211.3	194.6	186.2
30°	114.0	119.3	136.0	120.3	110.9
32.5°	61.7	75.3	88.9	75.3	61.7
35°	31.4	43.9	56.5	42.9	31.4
37.5°	20.9	25.1	36.6	24.1	20.9
40°	13.6	16.7	23.0	16.7	13.6
42.5°	7.3	10.5	12.6	11.5	7.3
45°	4.2	6.3	8.4	6.3	4.2
47.5°	3.1	3.1	5.2	3.1	2.1
50°	2.1	2.1	3.1	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.0	2.1	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	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



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)