

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: P1306382

Luminaire Tested: P3SQAS02R259027DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

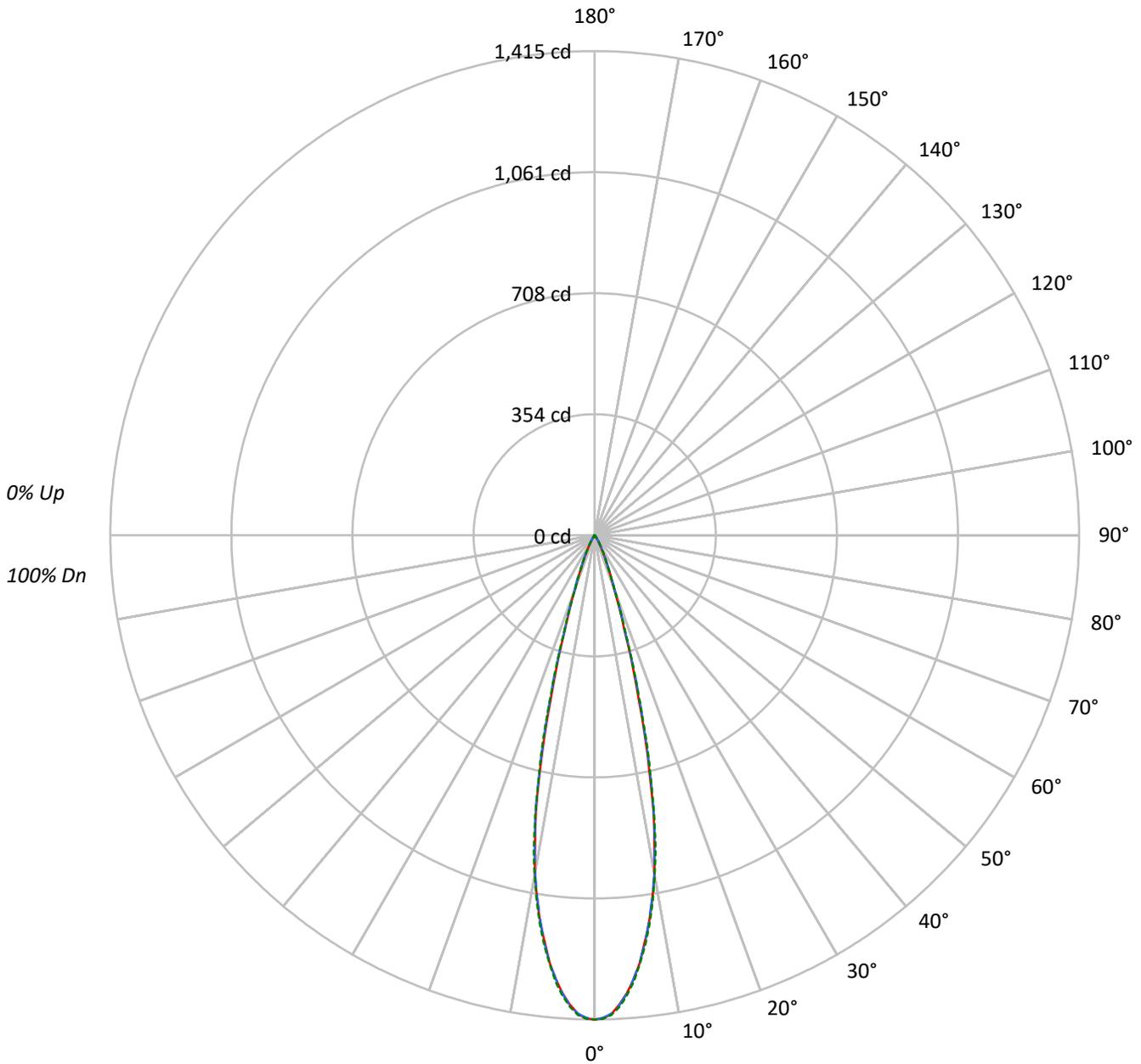
Test Method: LM-79-2019  
Report Number: P1306382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259027DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 299.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 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): 3.6  
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
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	110	113	111	109	108	107	106	105	103	102	102	100	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	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	93	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	87	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	85	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	83	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	81	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	79	79	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	77	77	76

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

	0°	45°	90°
0°	243747	243747	243747
5°	225142	225073	226335
10°	175876	175404	176593
15°	88471	92180	92091
20°	30277	31102	30607
25°	12162	13682	12694
30°	4932	5886	4813
35°	1430	2586	1430
40°	674	1124	674
45°	219	438	219
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 438 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.8	38.4
10°-20°	140.5	47.0
20°-30°	34.3	11.5
30°-40°	7.1	2.4
40°-50°	1.2	0.4
50°-60°	0.5	0.2
60°-70°	0.3	0.1
70°-80°	0.2	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°	289.7	96.9
0°-40°	296.8	99.3
0°-60°	298.5	99.8
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1415	1415	1415	1415	1415	
5°	1302	1304	1302	1305	1309	115
15°	496	505	517	519	516	139
25°	64	67	72	68	67	33
35°	7	10	12	9	7	6
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1415.3	1415.3	1415.3	1415.3	1415.3
1°	1412.6	1410.8	1410.3	1410.6	1412.8
2°	1399.9	1398.7	1398.5	1399.2	1402.4
3°	1373.9	1375.2	1375.7	1378.0	1379.6
4°	1342.0	1344.7	1343.6	1346.3	1348.1
5°	1302.3	1303.5	1301.9	1304.6	1309.2
6°	1256.1	1252.0	1255.9	1257.0	1260.2
7°	1198.4	1199.4	1200.7	1202.1	1206.9
8°	1141.7	1139.0	1138.3	1144.7	1148.5
9°	1075.4	1075.9	1073.4	1080.7	1081.8
10°	1005.7	1000.0	1003.0	1008.7	1009.8
11°	913.6	912.0	916.4	925.3	932.3
12°	827.3	828.2	832.8	835.7	834.1
13°	713.1	720.0	725.7	728.6	724.8
14°	609.9	609.9	617.2	618.4	632.3
15°	496.2	504.7	517.0	519.2	516.5
17.5°	286.6	287.8	293.7	293.5	297.8
20°	165.2	166.8	169.7	169.1	167.0
22.5°	99.3	102.8	109.8	104.1	102.5
25°	64.0	67.0	72.0	67.9	66.8
27.5°	40.1	42.2	46.0	42.4	40.6
30°	24.8	26.0	29.6	26.2	24.2
32.5°	13.4	16.4	19.4	16.4	13.4
35°	6.8	9.6	12.3	9.3	6.8
37.5°	4.6	5.5	8.0	5.2	4.6
40°	3.0	3.6	5.0	3.6	3.0
42.5°	1.6	2.3	2.7	2.5	1.6
45°	0.9	1.4	1.8	1.4	0.9
47.5°	0.7	0.7	1.1	0.7	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.5	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)