

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: P1309736

Luminaire Tested: P3SQAS02R259040DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

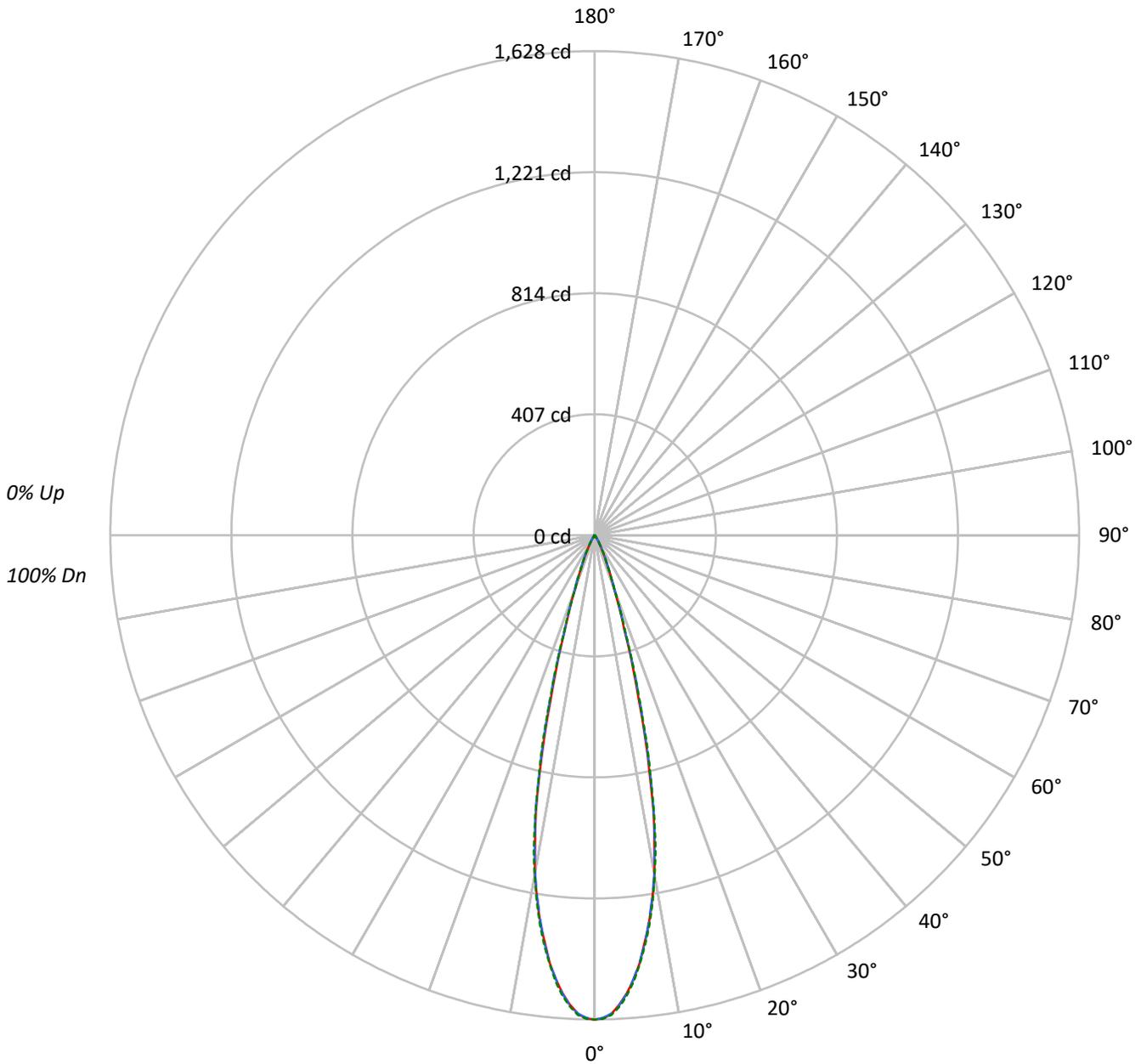
Test Method: LM-79-2019  
Report Number: P1309736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259040DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 344.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76	76	76	76

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

	0°	45°	90°
0°	280447	280447	280447
5°	259027	258940	260393
10°	202336	201793	203175
15°	101790	106052	105963
20°	34822	35794	35207
25°	14005	15734	14594
30°	5688	6781	5528
35°	1661	2985	1661
40°	764	1304	764
45°	244	511	244
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	298	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.1	38.4
10°-20°	161.7	47.0
20°-30°	39.5	11.5
30°-40°	8.2	2.4
40°-50°	1.4	0.4
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	333.3	96.9
0°-40°	341.5	99.3
0°-60°	343.4	99.8
0°-90°	344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	344.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1498	1500	1498	1501	1506	132
15°	571	581	595	597	594	159
25°	74	77	83	78	77	38
35°	8	11	14	11	8	7
45°	1	2	2	2	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°	1628.4	1628.4	1628.4	1628.4	1628.4
1°	1625.2	1623.1	1622.6	1622.9	1625.5
2°	1610.5	1609.2	1609.0	1609.7	1613.4
3°	1580.7	1582.2	1582.8	1585.4	1587.2
4°	1544.0	1547.1	1545.8	1548.9	1551.0
5°	1498.3	1499.7	1497.8	1501.0	1506.2
6°	1445.1	1440.4	1444.9	1446.2	1449.8
7°	1378.8	1379.9	1381.4	1383.0	1388.5
8°	1313.5	1310.4	1309.6	1316.9	1321.4
9°	1237.3	1237.8	1234.9	1243.3	1244.6
10°	1157.0	1150.5	1153.9	1160.5	1161.8
11°	1051.1	1049.3	1054.3	1064.5	1072.6
12°	951.8	952.8	958.1	961.5	959.7
13°	820.5	828.3	834.9	838.3	833.8
14°	701.7	701.7	710.1	711.4	727.4
15°	570.9	580.6	594.8	597.4	594.3
17.5°	329.8	331.1	337.9	337.6	342.6
20°	190.0	191.9	195.3	194.5	192.1
22.5°	114.3	118.2	126.3	119.8	118.0
25°	73.7	77.1	82.8	78.1	76.8
27.5°	46.1	48.5	53.0	48.8	46.7
30°	28.6	29.9	34.1	30.1	27.8
32.5°	15.5	18.9	22.3	18.9	15.5
35°	7.9	11.0	14.2	10.7	7.9
37.5°	5.2	6.3	9.2	6.0	5.2
40°	3.4	4.2	5.8	4.2	3.4
42.5°	1.8	2.6	3.1	2.9	1.8
45°	1.0	1.6	2.1	1.6	1.0
47.5°	0.8	0.8	1.3	0.8	0.5
50°	0.5	0.5	0.8	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°	0.3	0.5	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.3	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)