

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: P1313542

Luminaire Tested: P3SQAS17R259730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

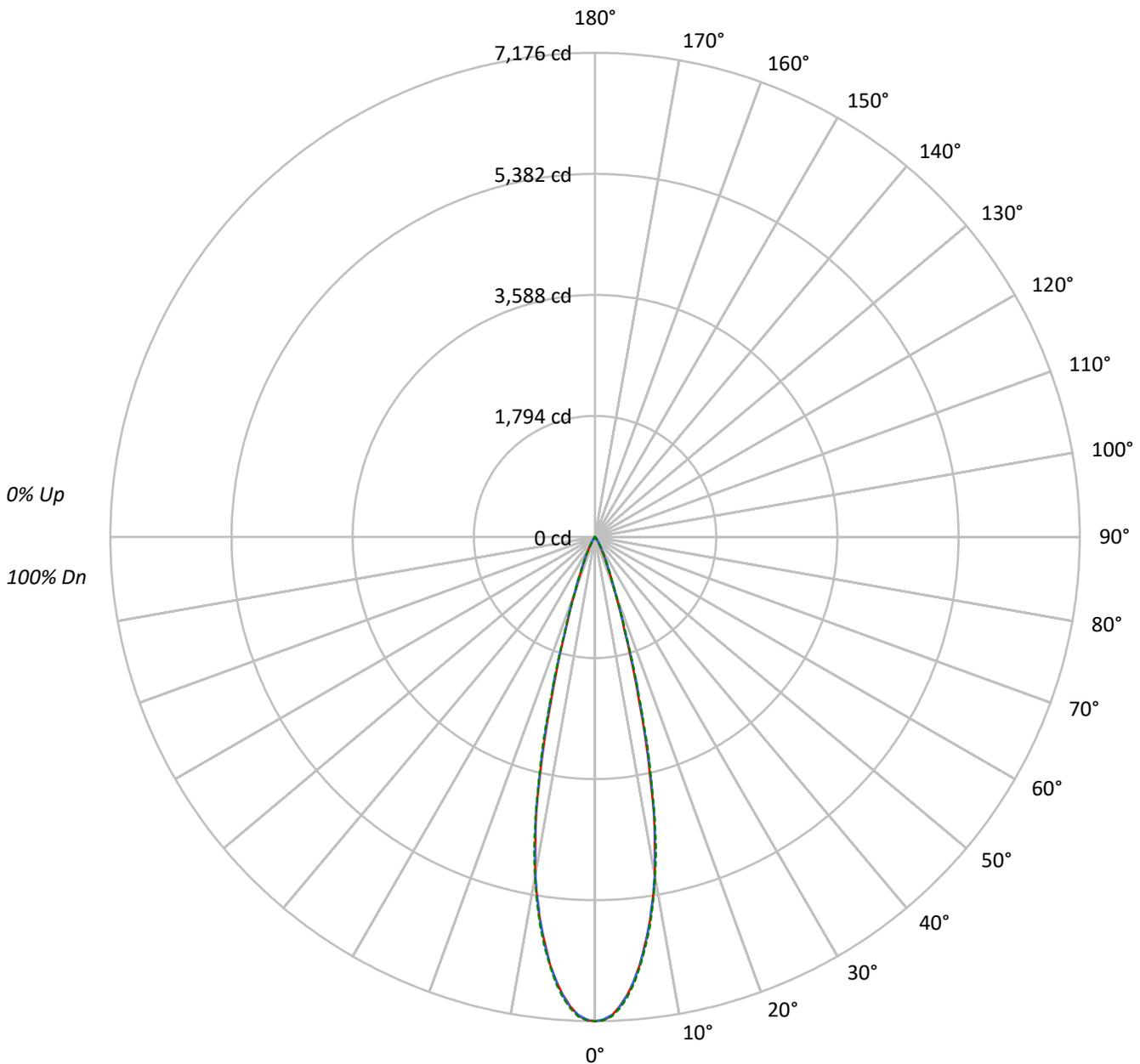
Test Method: LM-79-2019  
Report Number: P1313542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1516.1 lumens  
Efficiency: N/A  
Efficacy: 71.5 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): 21.2  
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: P1313542  
CATALOG NUMBER: P3SQAS17R259730DE010 E3SQCD1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1313542

CATALOG NUMBER: P3SQAS17R259730DE010 E3SQCD1MW

**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°	1235904	1235904	1235904
5°	1141565	1141167	1147546
10°	891728	889297	895365
15°	448598	467355	466945
20°	153493	157727	155198
25°	61683	69360	64324
30°	25037	29870	24361
35°	7296	13119	7296
40°	3372	5710	3372
45°	1120	2241	1120
50°	616	938	616
55°	691	691	691
60°	792	792	792
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	1190	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2241 cd/sqm



TEST NUMBER: P1313542

CATALOG NUMBER: P3SQAS17R259730DE010 E3SQCD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.2	38.4
10°-20°	712.6	47.0
20°-30°	174.1	11.5
30°-40°	36.0	2.4
40°-50°	6.3	0.4
50°-60°	2.1	0.1
60°-70°	1.7	0.1
70°-80°	1.1	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°	1468.8	96.9
0°-40°	1504.8	99.3
0°-60°	1513.2	99.8
0°-90°	1516.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7176	7176	7176	7176	7176	
5°	6603	6609	6601	6615	6638	582
15°	2516	2559	2621	2633	2619	702
25°	325	340	365	344	338	166
35°	35	48	62	47	35	30
45°	5	7	9	7	5	5
55°	2	2	2	2	2	2
65°	1	2	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1313542

CATALOG NUMBER: P3SQAS17R259730DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7176.2	7176.2	7176.2	7176.2	7176.2
1°	7162.3	7153.0	7150.7	7151.9	7163.4
2°	7097.6	7091.8	7090.7	7094.1	7110.3
3°	6965.9	6972.8	6975.1	6986.7	6994.8
4°	6804.2	6818.0	6812.3	6826.1	6835.4
5°	6603.2	6608.9	6600.9	6614.7	6637.8
6°	6368.7	6347.9	6367.5	6373.3	6389.5
7°	6076.4	6081.0	6087.9	6094.9	6119.1
8°	5788.7	5774.9	5771.4	5803.8	5823.4
9°	5452.6	5454.9	5442.2	5479.2	5484.9
10°	5099.1	5070.2	5085.2	5114.1	5119.9
11°	4632.4	4624.3	4646.2	4691.3	4727.1
12°	4194.6	4199.2	4222.3	4237.3	4229.2
13°	3615.8	3650.5	3679.3	3694.4	3674.7
14°	3092.5	3092.5	3129.5	3135.2	3205.7
15°	2516.0	2558.8	2621.2	2632.7	2618.9
17.5°	1453.3	1459.0	1489.1	1487.9	1509.9
20°	837.5	845.6	860.6	857.2	846.8
22.5°	503.7	521.0	556.8	527.9	519.8
25°	324.6	339.6	365.0	344.3	338.5
27.5°	203.3	213.7	233.4	214.9	205.6
30°	125.9	131.7	150.2	132.8	122.5
32.5°	68.2	83.2	98.2	83.2	68.2
35°	34.7	48.5	62.4	47.4	34.7
37.5°	23.1	27.7	40.4	26.6	23.1
40°	15.0	18.5	25.4	18.5	15.0
42.5°	8.1	11.6	13.9	12.7	8.1
45°	4.6	6.9	9.2	6.9	4.6
47.5°	3.5	3.5	5.8	3.5	2.3
50°	2.3	2.3	3.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.2	2.3	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	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



TEST NUMBER: P1313542  
CATALOG NUMBER: P3SQAS17R259730DE010 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)