

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: P1314513

Luminaire Tested: P3SQAS17R259735DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

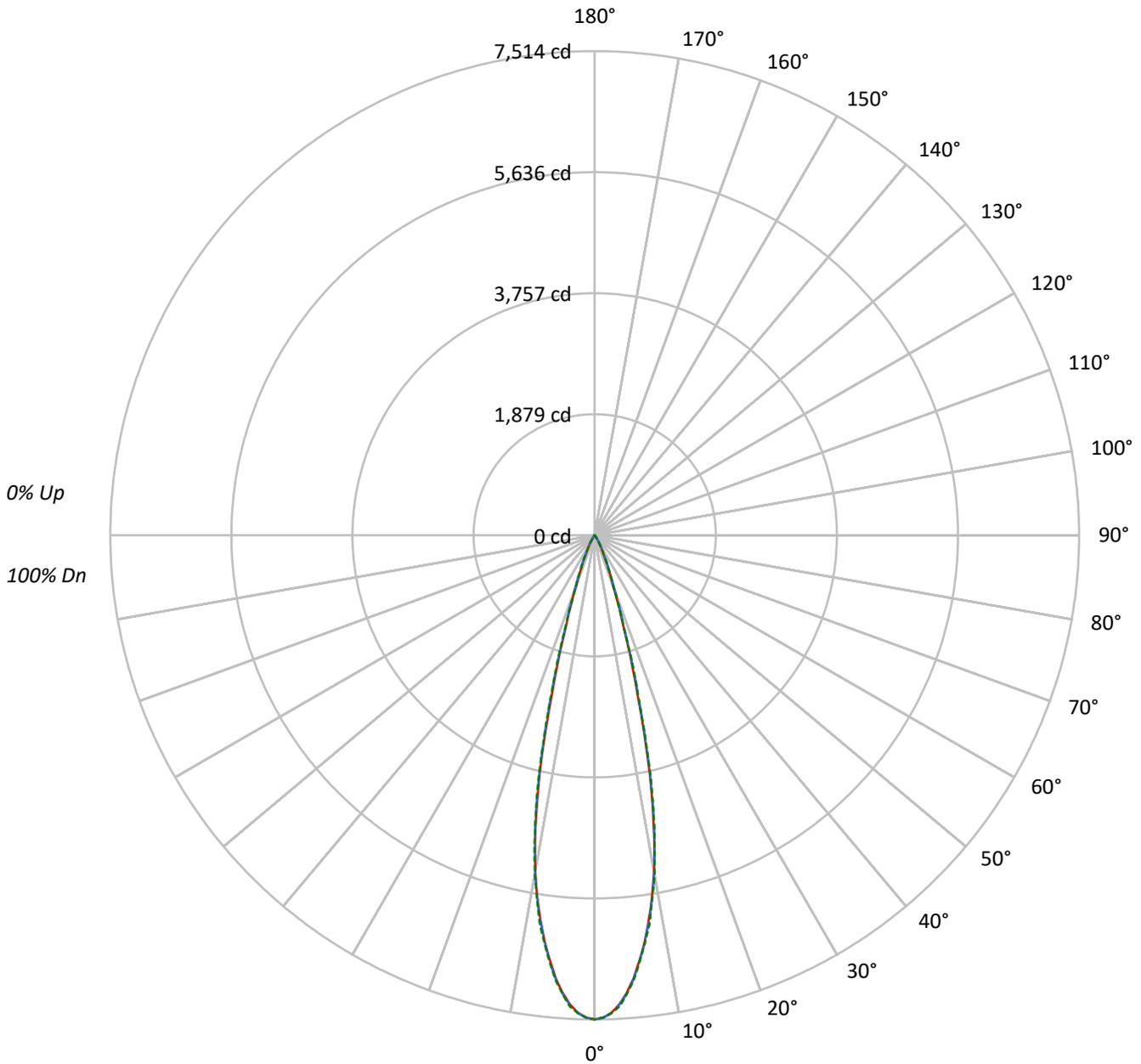
Test Method: LM-79-2019  
Report Number: P1314513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259735DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1564.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 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

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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	110	108	107	106	105	103	103	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77	77

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

	0°	45°	90°
0°	1294029	1294029	1294029
5°	1193187	1195884	1198373
10°	926424	929782	934818
15°	457834	477090	477304
20°	154153	164490	157232
25°	63849	70918	65673
30°	25057	31500	25296
35°	6560	12867	6812
40°	2428	5126	2428
45°	292	1461	292
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1461 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	608.8	38.9
10°-20°	736.4	47.1
20°-30°	179.8	11.5
30°-40°	34.9	2.2
40°-50°	4.0	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1525.1	97.5
0°-40°	1560.0	99.7
0°-60°	1564.0	100.0
0°-90°	1564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7514	7514	7514	7514	7514	
5°	6902	6911	6917	6947	6932	607
15°	2568	2629	2676	2702	2677	723
25°	336	354	373	358	346	171
35°	31	44	61	44	32	28
45°	1	4	6	4	1	2
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°	7513.7	7513.7	7513.7	7513.7	7513.7
1°	7484.9	7489.7	7490.9	7498.1	7483.7
2°	7416.5	7417.7	7421.3	7435.7	7422.5
3°	7290.5	7298.9	7300.1	7319.3	7322.9
4°	7118.9	7123.7	7133.3	7165.7	7136.9
5°	6901.8	6911.4	6917.4	6947.4	6931.8
6°	6633.0	6635.4	6648.6	6683.4	6661.8
7°	6359.4	6358.2	6359.4	6387.0	6381.0
8°	6029.4	6023.4	6042.6	6076.2	6099.0
9°	5685.1	5693.5	5705.5	5737.9	5711.5
10°	5297.5	5320.3	5316.7	5319.1	5345.5
11°	4851.2	4858.4	4859.6	4884.8	4881.2
12°	4326.8	4326.8	4366.4	4407.2	4394.0
13°	3797.7	3834.8	3808.5	3816.8	3869.6
14°	3180.9	3209.7	3245.7	3279.3	3252.9
15°	2567.8	2629.0	2675.8	2702.2	2677.0
17.5°	1471.1	1491.5	1531.1	1535.9	1520.3
20°	841.1	866.3	897.5	887.9	857.9
22.5°	529.2	536.4	567.5	551.9	544.8
25°	336.0	354.0	373.2	357.6	345.6
27.5°	208.8	220.8	241.2	224.4	211.2
30°	126.0	136.8	158.4	135.6	127.2
32.5°	66.0	81.6	99.6	82.8	66.0
35°	31.2	44.4	61.2	44.4	32.4
37.5°	19.2	24.0	37.2	24.0	19.2
40°	10.8	15.6	22.8	15.6	10.8
42.5°	4.8	8.4	10.8	8.4	6.0
45°	1.2	3.6	6.0	3.6	1.2
47.5°	0.0	0.0	3.6	1.2	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	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)