

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: P1311523

Luminaire Tested: P3SQAS17R459050DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

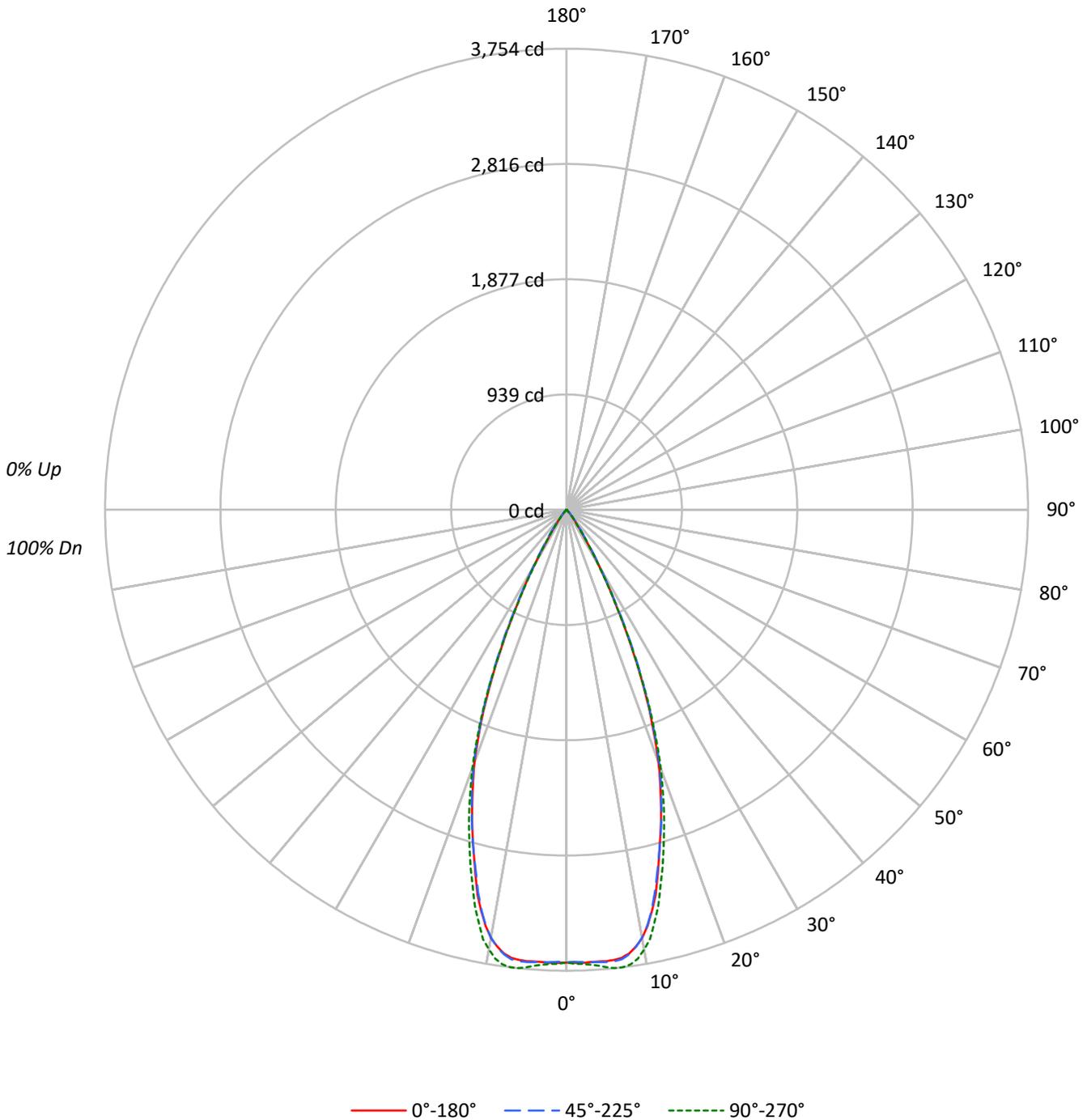
Test Method: LM-79-2019  
Report Number: P1311523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R459050DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1908.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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





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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	634899	634899	634899
5°	638050	639278	646573
10°	619108	618619	635844
15°	518865	518615	537675
20°	401117	405240	410904
25°	245894	250968	246427
30°	105458	110211	102098
35°	33114	39926	32231
40°	11376	14546	11061
45°	2046	6162	1705
50°	1125	2251	1125
55°	1261	1261	1261
60°	964	964	964
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6162 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.4	18.4
10°-20°	809.6	42.4
20°-30°	592.8	31.1
30°-40°	131.0	6.9
40°-50°	16.1	0.8
50°-60°	3.8	0.2
60°-70°	2.7	0.1
70°-80°	1.5	0.1
80°-90°	0.2	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°	1752.8	91.9
0°-40°	1883.7	98.7
0°-60°	1903.6	99.8
0°-90°	1908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3686	3686	3686	3686	3686	
5°	3691	3688	3698	3724	3740	349
15°	2910	2895	2909	2979	3016	803
25°	1294	1293	1321	1311	1297	586
35°	158	166	190	166	153	124
45°	8	14	25	14	7	11
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
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°	3686.5	3686.5	3686.5	3686.5	3686.5
1°	3689.3	3683.7	3682.3	3692.1	3699.2
2°	3692.1	3685.1	3686.5	3696.4	3700.6
3°	3689.3	3682.3	3689.3	3703.4	3709.0
4°	3687.9	3685.1	3692.1	3711.8	3721.7
5°	3690.7	3687.9	3697.8	3724.5	3740.0
6°	3686.5	3682.3	3696.4	3730.1	3752.6
7°	3676.7	3672.5	3687.9	3728.7	3754.0
8°	3649.9	3641.5	3657.0	3707.6	3738.6
9°	3602.1	3590.9	3606.3	3665.4	3702.0
10°	3540.2	3527.6	3537.4	3595.1	3635.9
11°	3451.6	3434.7	3446.0	3507.9	3561.3
12°	3339.1	3315.2	3329.3	3399.6	3437.6
13°	3216.7	3194.2	3197.0	3260.3	3313.8
14°	3064.8	3035.3	3048.0	3114.1	3156.3
15°	2910.1	2894.6	2908.7	2979.0	3015.6
17.5°	2555.7	2554.3	2566.9	2619.0	2638.7
20°	2188.6	2192.8	2211.1	2239.2	2242.0
22.5°	1753.9	1755.4	1775.0	1794.7	1790.5
25°	1294.0	1292.6	1320.7	1310.9	1296.8
27.5°	858.0	863.6	888.9	870.6	856.6
30°	530.3	541.5	554.2	531.7	513.4
32.5°	286.9	305.2	323.5	303.8	285.5
35°	157.5	166.0	189.9	166.0	153.3
37.5°	91.4	95.6	111.1	95.6	87.2
40°	50.6	57.7	64.7	57.7	49.2
42.5°	21.1	32.4	39.4	32.4	21.1
45°	8.4	14.1	25.3	14.1	7.0
47.5°	4.2	5.6	15.5	5.6	4.2
50°	4.2	4.2	8.4	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	2.8	2.8	2.8	4.2	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	2.8	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
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)