Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1311981

Luminaire Tested: P3SQAS02R409727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1311981
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS02R409727DE010 E3SQCD1MMS
Description:	3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	290.0 lumens
Efficiency:	N/A
Efficacy:	80.6 lumens/watt
Spacing Criteria (0/90/45):	0.68 / 0.69 / 0.6
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 (Ain):	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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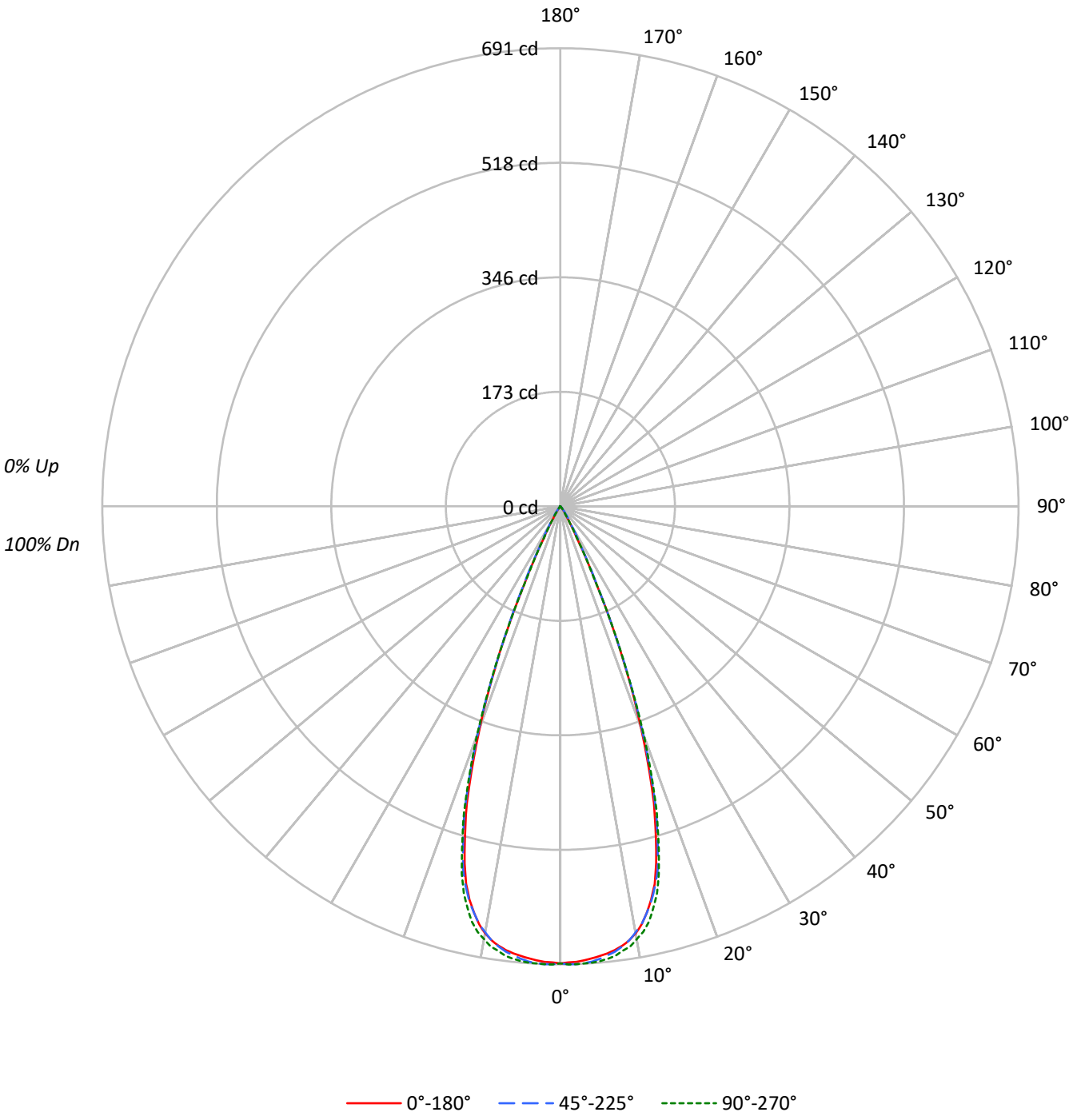
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	118765	118765	118765
5°	117749	118475	119046
10°	114389	114179	115963
15°	99508	101113	102343
20°	65319	66584	67445
25°	23278	24646	23164
30°	5071	6861	5111
35°	1640	2838	1598
40°	495	877	450
45°	49	292	49
50°	0	54	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: 292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	22.2
10°-20°	150.2	51.8
20°-30°	67.4	23.2
30°-40°	7.3	2.5
40°-50°	0.7	0.2
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°	282.0	97.3
0°-40°	289.3	99.8
0°-60°	290.0	100.0
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	681	683	685	686	689	64
15°	558	562	567	570	574	148
25°	122	126	130	132	122	65
35°	8	9	14	9	8	6
45°	0	0	1	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	689.6	689.6	689.6	689.6	*689.6*
1°	*688.2*	*689.6*	*690.9*	*689.8*	*691.3*
2°	687.6	689.2	691.1	690.0	*691.3*
3°	686.0	688.0	690.0	689.4	*690.6*
4°	683.7	685.3	688.4	688.4	*690.2*
5°	681.1	682.9	685.3	686.4	*688.6*
6°	678.2	679.2	681.1	683.1	*686.2*
7°	674.5	674.5	676.8	678.8	*682.9*
8°	669.4	669.0	670.6	673.3	*677.0*
9°	663.1	661.7	662.9	666.8	*672.3*
10°	654.1	652.9	652.9	657.8	*663.1*
11°	642.5	642.0	642.3	646.9	*654.1*
12°	626.7	627.1	627.1	632.4	*641.2*
13°	609.0	608.8	610.6	616.5	*622.4*
14°	587.3	588.5	590.4	595.7	*601.8*
15°	558.1	562.2	567.1	570.4	*574.0*
17.5°	469.3	473.4	480.1	482.8	*483.6*
20°	356.4	362.3	363.3	368.6	*368.0*
22.5°	238.9	238.5	239.3	240.0	*240.2*
25°	122.5	126.2	129.7	131.9	*121.9*
27.5°	53.3	59.6	64.1	58.2	*53.9*
30°	25.5	29.0	34.5	29.2	*25.7*
32.5°	13.9	16.1	21.9	15.9	*13.7*
35°	7.8	9.0	13.5	8.8	*7.6*
37.5°	4.5	4.9	7.4	4.9	*4.3*
40°	2.2	2.9	3.9	2.9	*2.0*
42.5°	0.8	1.4	2.0	1.4	*0.8*
45°	0.2	0.4	1.2	0.4	*0.2*
47.5°	0.0	0.0	0.6	0.0	*0.0*
50°	0.0	0.0	0.2	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)