

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: P1311968

Luminaire Tested: P3SQAS02R359727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

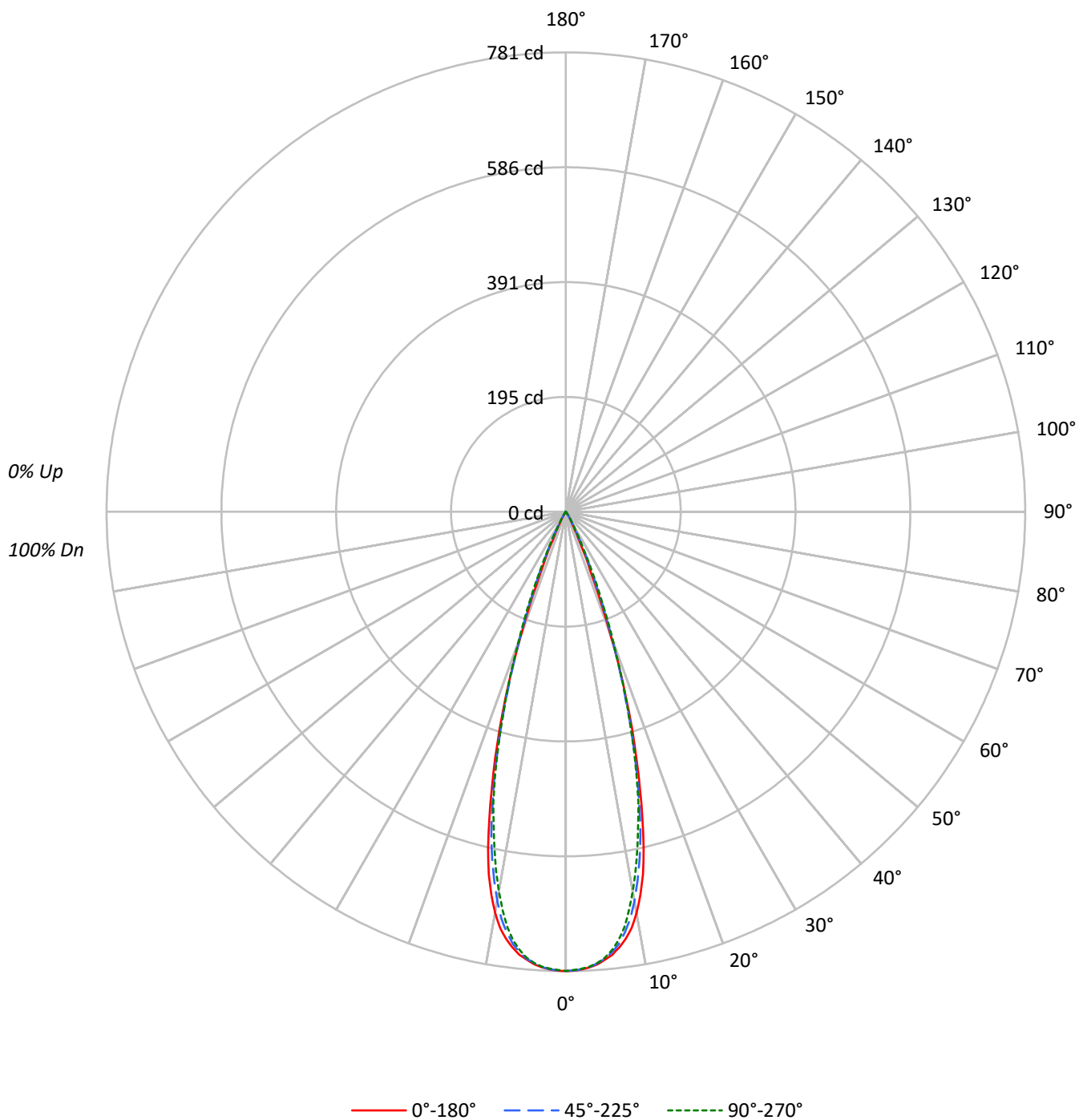
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134471	134471	134471
5°	132167	131891	131597
10°	121122	117484	114633
15°	86742	83961	82944
20°	40211	41604	43070
25°	9539	13568	14157
30°	2804	3202	3619
35°	652	1030	946
40°	135	270	180
45°	49	49	49
50°	54	0	54
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: 0°
Vertical Angle: 52.5°
Luminance: 57 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	29.6
10°-20°	125.3	52.9
20°-30°	37.7	15.9
30°-40°	3.6	1.5
40°-50°	0.2	0.1
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°	233.1	98.4
0°-40°	236.7	99.9
0°-60°	237.0	100.0
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	764	764	763	762	761	71
15°	486	483	471	469	465	128
25°	50	55	71	74	74	32
35°	3	4	5	5	4	3
45°	0	0	0	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°	780.8	780.8	780.8	780.8	780.8
1°	780.4	780.4	780.0	780.0	779.2
2°	778.6	778.8	778.0	777.8	777.2
3°	775.7	775.1	775.1	774.7	774.3
4°	771.2	770.0	769.6	769.8	769.0
5°	764.5	764.3	762.9	761.8	761.2
6°	757.2	755.7	752.7	750.0	749.4
7°	746.1	743.1	740.4	734.9	734.1
8°	732.7	727.8	722.0	714.3	713.9
9°	716.1	708.2	700.2	689.8	686.1
10°	692.6	685.3	671.8	662.6	655.5
11°	663.5	654.3	638.5	627.5	621.6
12°	630.4	621.8	603.4	593.4	585.1
13°	587.9	580.8	563.6	552.6	546.1
14°	538.7	533.4	517.1	512.2	509.9
15°	486.5	482.8	470.9	468.9	465.2
17.5°	358.1	351.9	345.2	346.4	347.6
20°	219.4	228.0	227.0	231.5	235.0
22.5°	109.4	120.4	133.3	141.1	144.9
25°	50.2	55.3	71.4	74.5	74.5
27.5°	25.3	26.5	33.7	34.3	35.9
30°	14.1	15.1	16.1	18.0	18.2
32.5°	7.1	8.4	8.8	9.8	9.4
35°	3.1	4.1	4.9	5.3	4.5
37.5°	1.4	1.8	2.7	2.4	1.8
40°	0.6	0.8	1.2	1.0	0.8
42.5°	0.4	0.4	0.6	0.4	0.4
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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)