

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: P1315840

Luminaire Tested: P3SQAS02R409827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R409827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

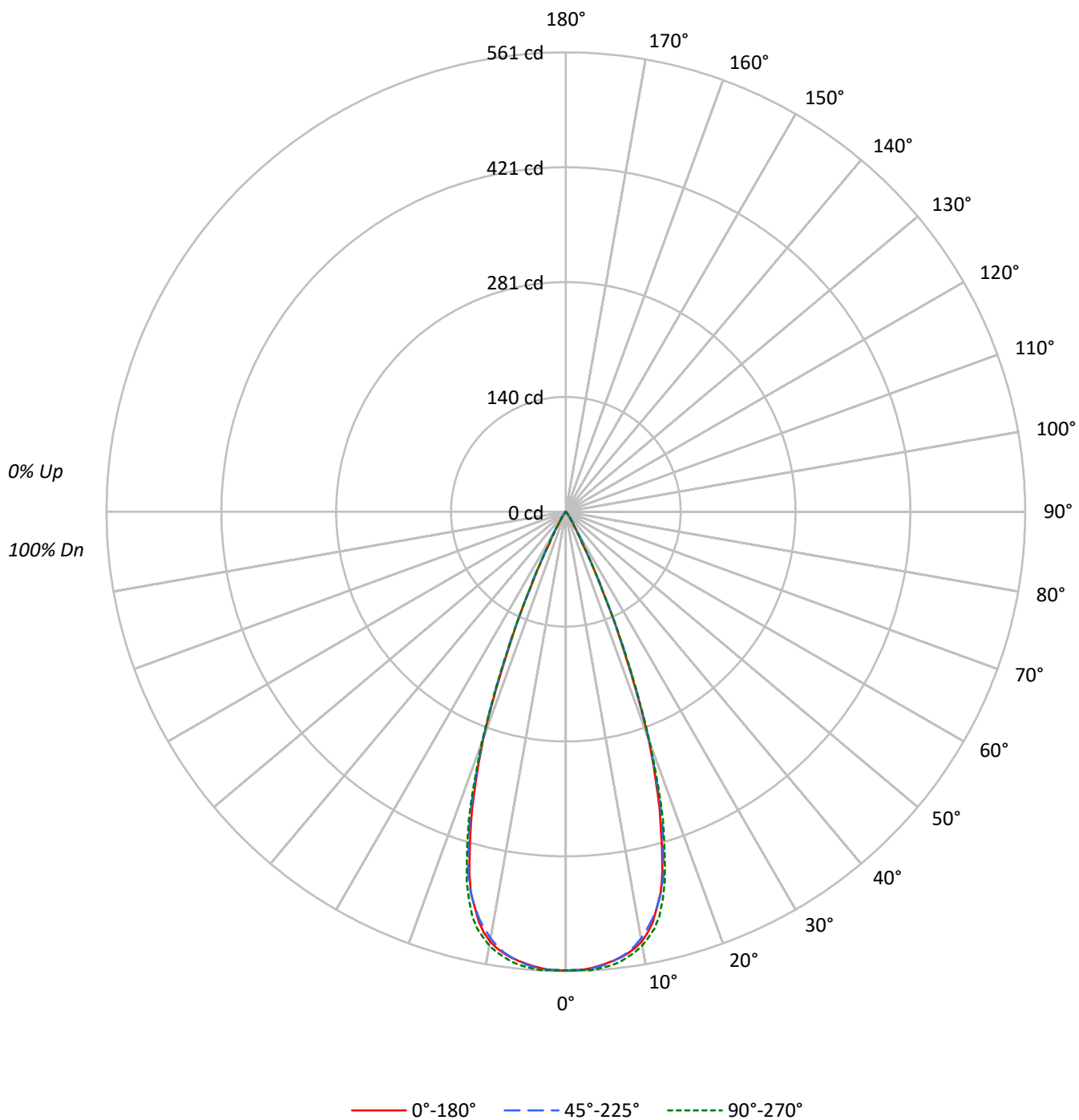
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96445	96445	96445
5°	95793	95949	96467
10°	93211	92511	94050
15°	81215	82053	83319
20°	54103	54378	54891
25°	19668	20276	19763
30°	4176	5608	4176
35°	1472	2481	1409
40°	517	787	517
45°	122	317	122
50°	80	134	80
55°	90	90	90
60°	103	103	103
65°	82	122	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	22.1
10°-20°	121.9	51.5
20°-30°	54.9	23.2
30°-40°	6.2	2.6
40°-50°	0.9	0.4
50°-60°	0.3	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	229.2	96.7
0°-40°	235.4	99.3
0°-60°	236.6	99.8
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°	560	560	560	560	560	
5°	554	554	555	558	558	52
15°	456	457	460	464	467	121
25°	104	104	107	107	104	54
35°	7	8	12	8	7	5
45°	0	1	1	1	0	1
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°	560.0	560.0	560.0	560.0	560.0
1°	560.3	559.8	559.6	560.6	559.8
2°	559.8	559.5	559.6	560.6	560.0
3°	558.3	558.5	559.0	560.8	560.6
4°	556.5	556.3	557.3	559.6	559.6
5°	554.1	553.5	555.0	557.5	558.0
6°	551.5	550.6	551.8	555.0	556.1
7°	548.5	546.8	547.8	551.6	553.1
8°	544.5	542.3	543.5	547.3	548.5
9°	539.5	536.1	537.1	541.8	544.1
10°	533.0	528.8	529.0	534.1	537.8
11°	523.8	519.2	519.3	525.8	529.6
12°	511.7	507.5	508.3	514.3	520.5
13°	495.2	494.0	495.0	501.5	507.2
14°	479.2	478.0	479.8	485.8	488.5
15°	455.5	456.7	460.2	463.8	467.3
17.5°	380.5	385.0	389.2	391.7	394.7
20°	295.2	290.0	296.7	293.7	299.5
22.5°	190.5	194.3	196.0	194.3	195.0
25°	103.5	104.2	106.7	106.7	104.0
27.5°	44.0	47.5	50.7	49.5	44.0
30°	21.0	24.2	28.2	24.3	21.0
32.5°	11.8	14.0	18.2	13.7	11.5
35°	7.0	7.8	11.8	7.5	6.7
37.5°	4.2	4.3	6.5	4.5	4.0
40°	2.3	2.8	3.5	2.8	2.3
42.5°	1.2	1.7	2.2	1.7	1.2
45°	0.5	0.8	1.3	0.8	0.5
47.5°	0.5	0.5	0.8	0.5	0.5
50°	0.3	0.3	0.5	0.3	0.3
52.5°	0.3	0.3	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.2	0.3	0.3	0.3	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)