

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: P1309787

Luminaire Tested: P3SQAS02R409040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309787
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: P3SQAS02R409040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

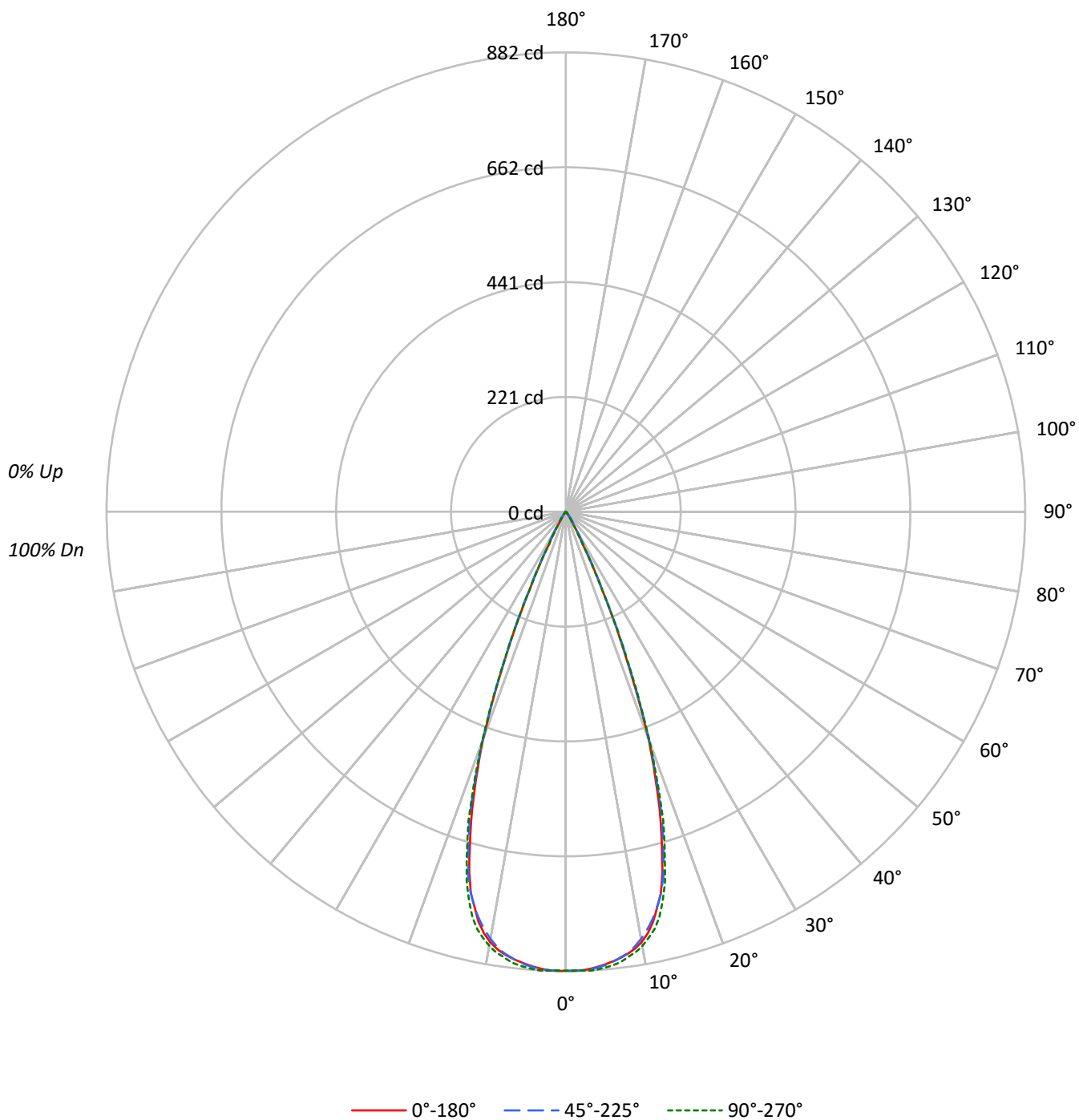
Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	69		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151780	151780	151780
5°	150769	151011	151824
10°	146689	145587	148018
15°	127822	129123	131138
20°	85131	85571	86378
25°	30955	31905	31107
30°	6563	8810	6563
35°	2313	3911	2208
40°	832	1237	832
45°	195	511	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	204	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	22.1
10°-20°	191.9	51.5
20°-30°	86.4	23.2
30°-40°	9.8	2.6
40°-50°	1.4	0.4
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	360.6	96.7
0°-40°	370.5	99.3
0°-60°	372.3	99.8
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	872	871	874	877	878	82
15°	717	719	724	730	736	190
25°	163	164	168	168	164	84
35°	11	12	19	12	10	8
45°	1	1	2	1	1	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°	881.3	881.3	881.3	881.3	881.3
1°	881.8	881.1	880.8	882.4	881.1
2°	881.1	880.5	880.8	882.4	881.3
3°	878.7	879.0	879.7	882.6	882.4
4°	875.8	875.6	877.1	880.8	880.8
5°	872.1	871.1	873.5	877.4	878.2
6°	867.9	866.6	868.5	873.5	875.3
7°	863.2	860.6	862.2	868.2	870.6
8°	856.9	853.5	855.4	861.4	863.2
9°	849.1	843.8	845.4	852.7	856.4
10°	838.8	832.3	832.5	840.7	846.4
11°	824.4	817.1	817.3	827.6	833.6
12°	805.3	798.7	800.0	809.5	819.2
13°	779.3	777.5	779.0	789.3	798.2
14°	754.1	752.3	755.2	764.6	768.8
15°	716.9	718.7	724.2	730.0	735.5
17.5°	598.8	605.9	612.5	616.4	621.1
20°	464.5	456.4	466.9	462.2	471.3
22.5°	299.8	305.8	308.5	305.8	306.9
25°	162.9	163.9	167.9	167.9	163.7
27.5°	69.2	74.8	79.7	77.9	69.2
30°	33.0	38.0	44.3	38.3	33.0
32.5°	18.6	22.0	28.6	21.5	18.1
35°	11.0	12.3	18.6	11.8	10.5
37.5°	6.6	6.8	10.2	7.1	6.3
40°	3.7	4.5	5.5	4.5	3.7
42.5°	1.8	2.6	3.4	2.6	1.8
45°	0.8	1.3	2.1	1.3	0.8
47.5°	0.8	0.8	1.3	0.8	0.8
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.5	0.5	0.5	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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)