

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: P1307551

Luminaire Tested: P3SQAS02R409030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307551
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: P3SQAS02R409030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

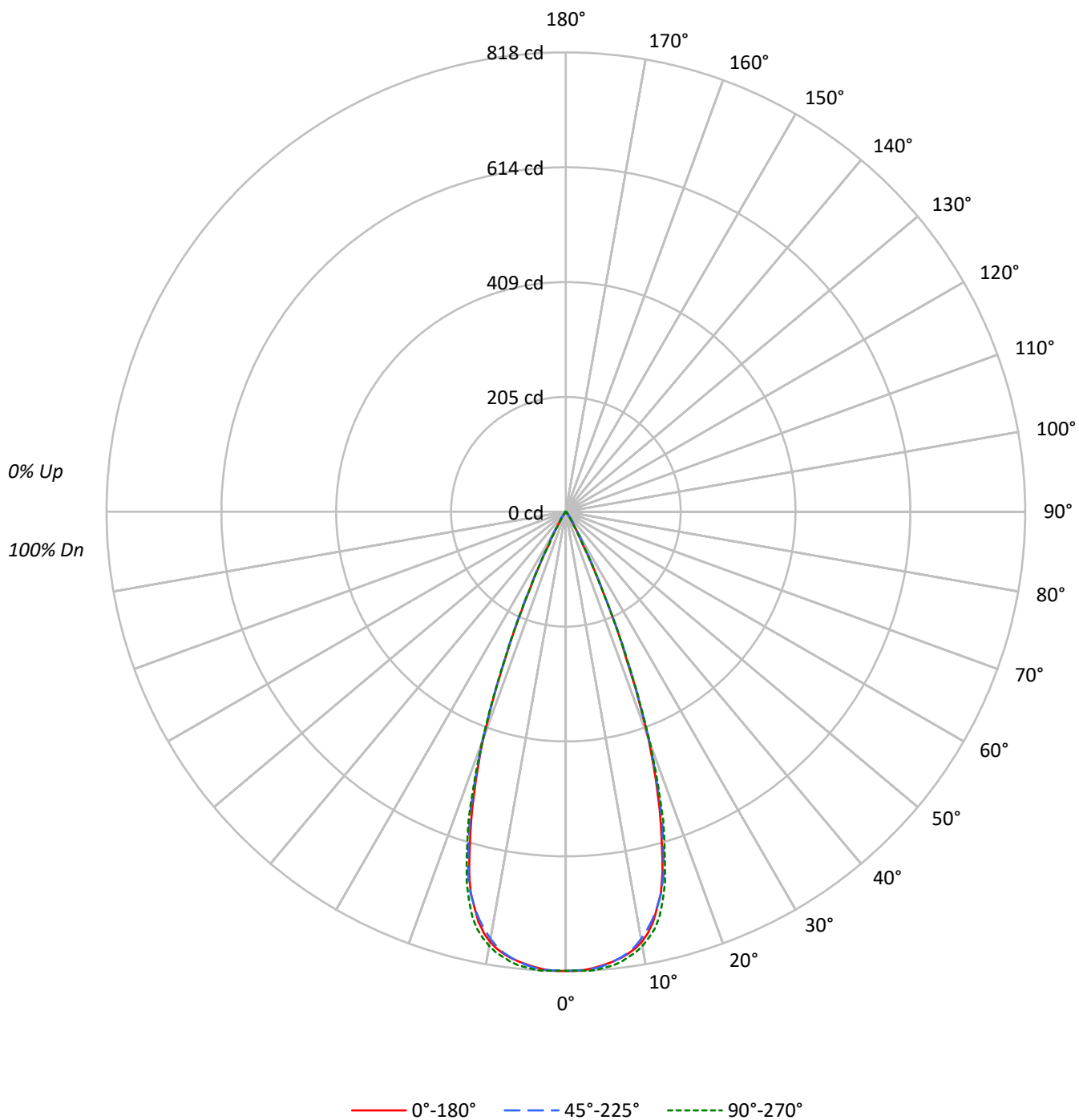
Lumens per Lamp: N/A
Luminaire Lumens: 345.9 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	140792	140792	140792
5°	139860	140068	140828
10°	136074	135059	137315
15°	118568	119781	121635
20°	78973	79377	80128
25°	28713	29587	28846
30°	6105	8173	6105
35°	2144	3637	2039
40°	764	1147	764
45°	170	463	170
50°	134	188	134
55°	150	150	150
60°	172	172	172
65°	82	204	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: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	22.1
10°-20°	178.0	51.5
20°-30°	80.1	23.2
30°-40°	9.1	2.6
40°-50°	1.3	0.4
50°-60°	0.5	0.1
60°-70°	0.4	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°	334.5	96.7
0°-40°	343.6	99.3
0°-60°	345.4	99.8
0°-90°	345.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	809	808	810	814	815	76
15°	665	667	672	677	682	177
25°	151	152	156	156	152	78
35°	10	11	17	11	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°	817.5	817.5	817.5	817.5	817.5
1°	818.0	817.3	817.0	818.5	817.3
2°	817.3	816.8	817.0	818.5	817.5
3°	815.1	815.3	816.1	818.7	818.5
4°	812.4	812.2	813.6	817.0	817.0
5°	809.0	808.0	810.2	813.9	814.6
6°	805.1	803.9	805.6	810.2	811.9
7°	800.7	798.3	799.8	805.4	807.6
8°	794.9	791.7	793.4	799.0	800.7
9°	787.6	782.7	784.2	791.0	794.4
10°	778.1	772.0	772.3	779.8	785.2
11°	764.7	757.9	758.2	767.6	773.2
12°	747.0	740.9	742.1	750.9	759.9
13°	722.9	721.2	722.6	732.1	740.4
14°	699.5	697.8	700.5	709.3	713.1
15°	665.0	666.7	671.8	677.1	682.2
17.5°	555.5	562.0	568.1	571.8	576.2
20°	430.9	423.4	433.1	428.7	437.2
22.5°	278.1	283.7	286.1	283.7	284.7
25°	151.1	152.1	155.7	155.7	151.8
27.5°	64.2	69.3	74.0	72.3	64.2
30°	30.7	35.3	41.1	35.5	30.7
32.5°	17.3	20.4	26.5	20.0	16.8
35°	10.2	11.4	17.3	10.9	9.7
37.5°	6.1	6.3	9.5	6.6	5.8
40°	3.4	4.1	5.1	4.1	3.4
42.5°	1.7	2.4	3.2	2.4	1.7
45°	0.7	1.2	1.9	1.2	0.7
47.5°	0.7	0.7	1.2	0.7	0.7
50°	0.5	0.5	0.7	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°	0.2	0.5	0.5	0.5	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)