

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: P1305444

Luminaire Tested: P3SQAS02R359024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

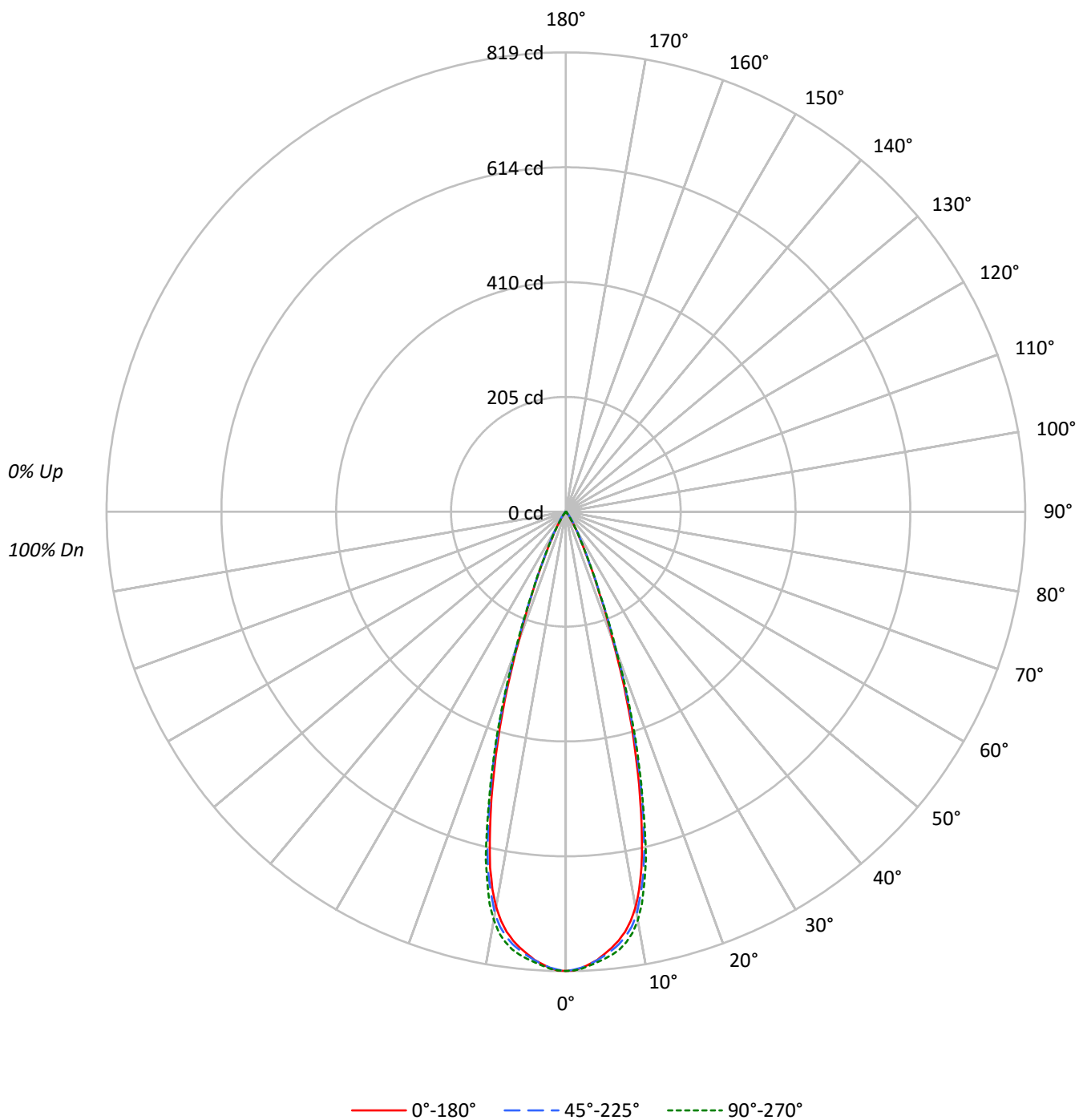
Lumens per Lamp: N/A
Luminaire Lumens: 274.9 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	140999	140999	140999
5°	136818	137302	138235
10°	125161	127330	129288
15°	89844	93125	94088
20°	45196	47817	47945
25°	17121	17653	17729
30°	6960	7975	6821
35°	2523	3826	2439
40°	1057	1641	1012
45°	268	682	268
50°	161	295	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	26.9
10°-20°	137.9	50.2
20°-30°	49.6	18.0
30°-40°	10.4	3.8
40°-50°	1.8	0.7
50°-60°	0.6	0.2
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°	261.5	95.1
0°-40°	271.9	98.9
0°-60°	274.3	99.8
0°-90°	274.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	819	819	819	819	819	
5°	791	793	794	800	800	73
15°	504	513	522	528	528	134
25°	90	91	93	94	93	48
35°	12	14	18	14	12	9
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
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°	818.7	818.7	818.7	818.7	818.7
1°	818.2	818.2	816.5	818.5	817.8
2°	813.7	814.2	813.1	815.5	815.2
3°	807.5	808.6	807.7	811.2	810.1
4°	800.9	801.7	801.3	805.6	805.2
5°	791.4	792.9	794.2	799.6	799.6
6°	781.8	783.3	786.1	791.9	793.8
7°	770.6	772.5	777.0	784.8	786.1
8°	756.4	758.6	764.8	773.2	774.9
9°	738.8	742.1	749.1	759.2	760.3
10°	715.7	718.2	728.1	736.5	739.3
11°	685.6	687.8	696.6	710.1	711.8
12°	649.1	651.7	663.1	671.9	673.6
13°	603.0	607.9	621.7	630.3	635.0
14°	555.6	562.2	572.1	584.3	581.3
15°	503.9	512.7	522.3	527.9	527.7
17.5°	377.0	382.2	390.8	394.0	398.3
20°	246.6	253.2	260.9	264.0	261.6
22.5°	153.0	154.7	157.1	158.4	157.9
25°	90.1	91.4	92.9	93.8	93.3
27.5°	54.3	57.3	59.4	56.9	55.4
30°	35.0	36.3	40.1	36.7	34.3
32.5°	20.8	23.8	27.0	23.0	20.0
35°	12.0	14.2	18.2	13.9	11.6
37.5°	7.7	8.8	11.8	8.6	7.5
40°	4.7	6.0	7.3	5.6	4.5
42.5°	2.4	3.6	4.3	3.2	2.4
45°	1.1	1.7	2.8	1.7	1.1
47.5°	0.6	0.9	1.7	0.9	0.6
50°	0.6	0.6	1.1	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
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°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	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)