

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: P1305470

Luminaire Tested: P3SQAS02R459024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

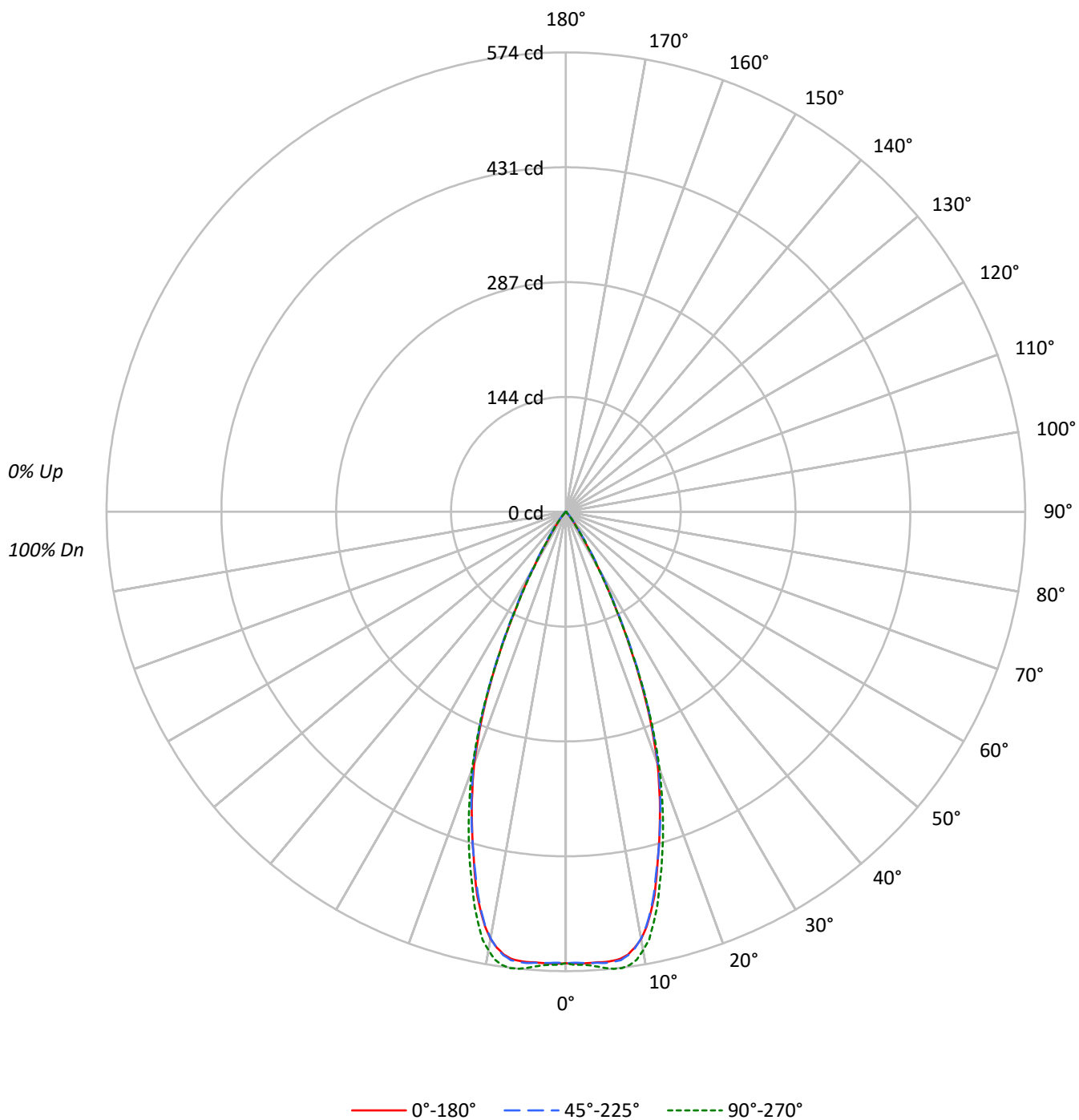
Lumens per Lamp: N/A
Luminaire Lumens: 291.9 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	97168	97168	97168
5°	97643	97833	98957
10°	94750	94680	97303
15°	79414	79360	82285
20°	61379	62020	62882
25°	37625	38404	37720
30°	16148	16864	15631
35°	5067	6118	4941
40°	1731	2226	1686
45°	317	950	268
50°	161	348	161
55°	180	180	180
60°	138	138	138
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: 950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	18.4
10°-20°	123.9	42.4
20°-30°	90.7	31.1
30°-40°	20.0	6.9
40°-50°	2.5	0.8
50°-60°	0.5	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°	268.2	91.9
0°-40°	288.3	98.8
0°-60°	291.3	99.8
0°-90°	291.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	565	564	566	570	572	53
15°	445	443	445	456	462	123
25°	198	198	202	201	198	90
35°	24	25	29	25	24	19
45°	1	2	4	2	1	2
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°	564.2	564.2	564.2	564.2	564.2
1°	564.6	563.8	563.5	565.0	566.1
2°	565.0	564.0	564.2	565.7	566.3
3°	564.6	563.5	564.6	566.8	567.6
4°	564.4	564.0	565.0	568.1	569.6
5°	564.8	564.4	565.9	570.0	572.4
6°	564.2	563.5	565.7	570.9	574.3
7°	562.7	562.0	564.4	570.6	574.5
8°	558.6	557.3	559.7	567.4	572.1
9°	551.3	549.5	551.9	561.0	566.6
10°	541.8	539.9	541.4	550.2	556.4
11°	528.2	525.7	527.4	536.8	545.0
12°	511.0	507.4	509.5	520.3	526.1
13°	492.3	488.8	489.3	499.0	507.1
14°	469.0	464.5	466.5	476.6	483.0
15°	445.4	443.0	445.1	455.9	461.5
17.5°	391.1	390.9	392.8	400.8	403.8
20°	334.9	335.6	338.4	342.7	343.1
22.5°	268.4	268.6	271.7	274.7	274.0
25°	198.0	197.8	202.1	200.6	198.5
27.5°	131.3	132.2	136.0	133.2	131.1
30°	81.2	82.9	84.8	81.4	78.6
32.5°	43.9	46.7	49.5	46.5	43.7
35°	24.1	25.4	29.1	25.4	23.5
37.5°	14.0	14.6	17.0	14.6	13.3
40°	7.7	8.8	9.9	8.8	7.5
42.5°	3.2	5.0	6.0	5.0	3.2
45°	1.3	2.2	3.9	2.2	1.1
47.5°	0.6	0.9	2.4	0.9	0.6
50°	0.6	0.6	1.3	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°	0.4	0.4	0.4	0.6	0.4
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	0.4	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°	0.0	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)