

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: P1316743

Luminaire Tested: P3SQAS02R559830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

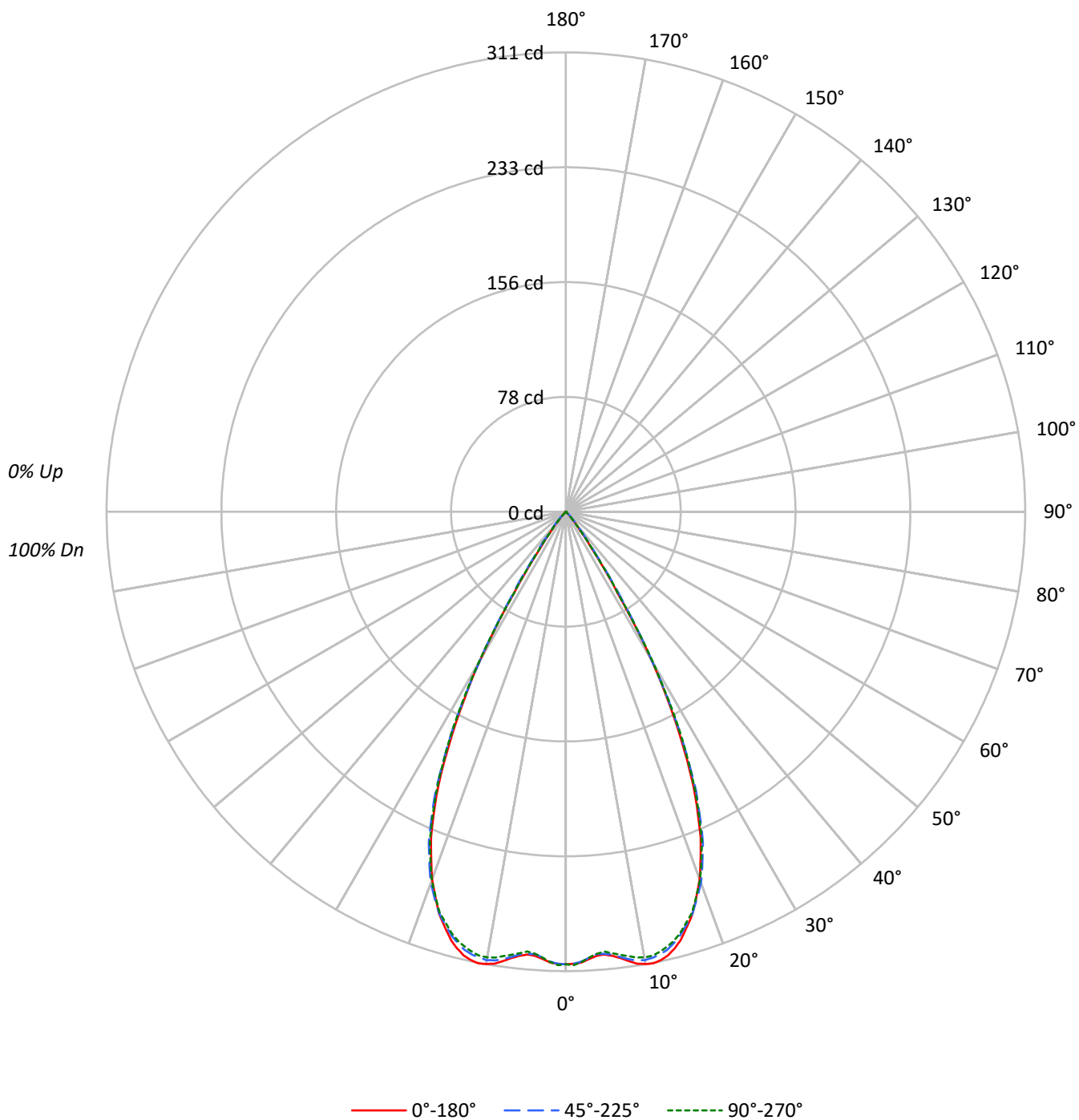
Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52769	52769	52769
5°	52020	51933	51674
10°	54370	53898	53566
15°	53525	53044	52830
20°	48531	49026	48660
25°	38803	39621	39260
30°	23267	23267	23566
35°	6728	7968	6959
40°	1933	2608	1933
45°	438	999	438
50°	188	348	134
55°	150	150	150
60°	172	172	172
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	12.4
10°-20°	82.8	35.2
20°-30°	91.2	38.8
30°-40°	27.9	11.9
40°-50°	2.8	1.2
50°-60°	0.5	0.2
60°-70°	0.4	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	203.1	86.4
0°-40°	231.0	98.3
0°-60°	234.3	99.7
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	301	301	300	300	299	29
15°	300	300	298	296	296	83
25°	204	206	208	210	207	90
35°	32	34	38	35	33	26
45°	2	3	4	3	2	2
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°	306.4	306.4	306.4	306.4	306.4
1°	306.1	306.3	306.1	305.7	307.0
2°	305.4	305.2	304.7	304.5	305.0
3°	303.1	303.1	302.3	302.0	302.2
4°	301.3	301.3	300.2	299.8	300.0
5°	300.9	300.9	300.4	299.5	298.9
6°	302.3	302.7	301.4	300.5	300.5
7°	304.5	304.7	303.8	302.5	302.2
8°	307.2	307.3	305.9	304.5	303.8
9°	309.8	309.5	307.5	306.1	305.6
10°	310.9	310.7	308.2	306.8	306.3
11°	311.4	310.6	307.7	306.4	306.3
12°	310.2	309.5	306.4	305.2	304.7
13°	308.1	307.0	304.5	303.2	302.5
14°	304.7	303.6	301.3	299.8	300.0
15°	300.2	299.7	297.5	296.3	296.3
17.5°	285.4	285.7	285.2	284.6	284.3
20°	264.8	266.2	267.5	266.8	265.5
22.5°	238.5	241.0	242.5	242.8	240.5
25°	204.2	206.2	208.5	210.5	206.6
27.5°	161.5	163.3	165.5	166.7	166.2
30°	117.0	117.2	117.0	119.4	118.5
32.5°	65.0	70.4	71.3	72.9	67.2
35°	32.0	33.6	37.9	34.8	33.1
37.5°	15.4	16.4	20.5	16.8	16.1
40°	8.6	9.3	11.6	9.6	8.6
42.5°	4.1	5.4	6.3	5.5	4.1
45°	1.8	2.7	4.1	2.7	1.8
47.5°	0.7	1.1	2.5	1.1	0.7
50°	0.7	0.5	1.3	0.5	0.5
52.5°	0.5	0.5	0.7	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°	0.4	0.5	0.5	0.5	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°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	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	0.2	0.2	0.2	0.2
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)