

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: P1317471

Luminaire Tested: P3SQAS20R559830D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559830D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

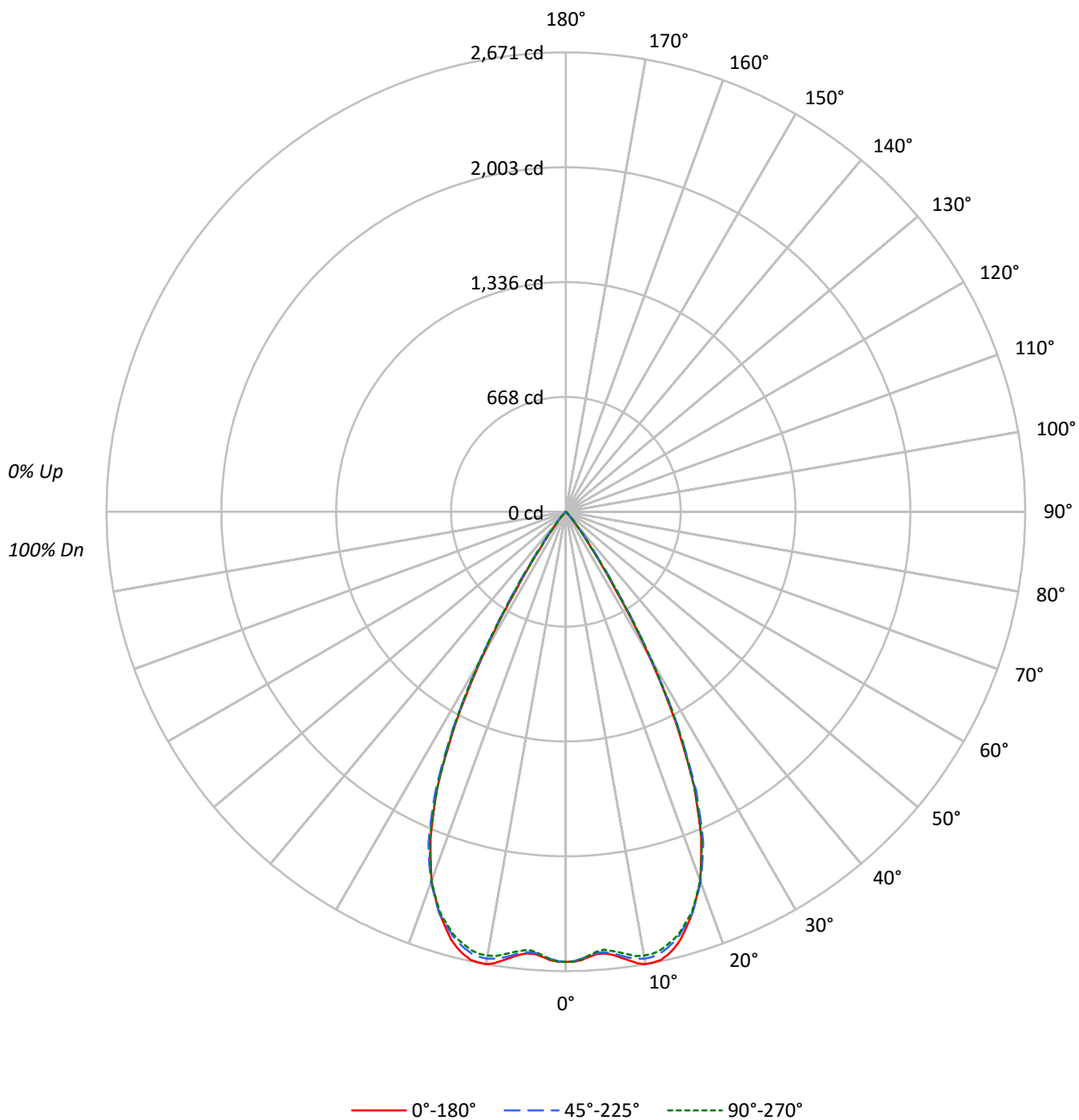
Lumens per Lamp: N/A
Luminaire Lumens: 1990.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	112	109	107	112	109	107	106	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	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	450793	450793	450793
5°	445651	444337	441952
10°	467103	461489	458289
15°	459349	454446	452806
20°	418400	420086	418675
25°	335663	340889	335663
30°	192661	197513	199045
35°	54937	66185	56535
40°	14074	20279	14433
45°	1486	7063	1120
50°	0	1232	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7063 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	12.5
10°-20°	709.2	35.6
20°-30°	781.1	39.3
30°-40°	233.2	11.7
40°-50°	17.9	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1738.8	87.4
0°-40°	1972.0	99.1
0°-60°	1990.0	100.0
0°-90°	1990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2618	2618	2618	2618	2618	
5°	2578	2573	2570	2560	2556	250
15°	2576	2558	2549	2538	2540	714
25°	1766	1766	1794	1791	1766	773
35°	261	278	315	287	269	216
45°	6	15	29	15	5	12
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°	2617.5	2617.5	2617.5	2617.5	2617.5
1°	2616.0	2616.0	2613.0	2611.4	2616.0
2°	2608.4	2608.4	2600.7	2599.2	2603.8
3°	2591.6	2590.0	2583.9	2579.3	2582.4
4°	2577.8	2574.8	2570.2	2562.5	2564.1
5°	2577.8	2573.2	2570.2	2559.5	2556.4
6°	2590.0	2587.0	2580.9	2570.2	2567.1
7°	2611.4	2605.3	2599.2	2585.4	2582.4
8°	2634.3	2629.8	2617.5	2603.8	2597.7
9°	2657.3	2646.6	2631.3	2617.5	2616.0
10°	2671.0	2655.7	2638.9	2622.1	2620.6
11°	2669.5	2655.7	2635.9	2620.6	2619.1
12°	2663.4	2643.5	2626.7	2608.4	2609.9
13°	2642.0	2623.6	2606.8	2593.1	2590.0
14°	2613.0	2596.1	2580.9	2567.1	2568.6
15°	2576.3	2557.9	2548.8	2538.1	2539.6
17.5°	2446.4	2441.8	2446.4	2434.2	2438.8
20°	2282.9	2278.3	2292.1	2286.0	2284.4
22.5°	2055.2	2061.3	2087.3	2079.7	2065.9
25°	1766.4	1766.4	1793.9	1790.9	1766.4
27.5°	1390.5	1401.2	1418.0	1425.7	1407.3
30°	968.8	993.2	993.2	1008.5	1000.9
32.5°	540.9	592.9	605.1	612.7	582.2
35°	261.3	278.1	314.8	287.3	268.9
37.5°	125.3	132.9	169.6	137.5	128.4
40°	62.6	71.8	90.2	74.9	64.2
42.5°	26.0	38.2	47.4	38.2	26.0
45°	6.1	15.3	29.0	15.3	4.6
47.5°	0.0	1.5	13.8	3.1	0.0
50°	0.0	0.0	4.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)