

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: P1314749

Luminaire Tested: P3SQAS20R559735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314749
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: P3SQAS20R559735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

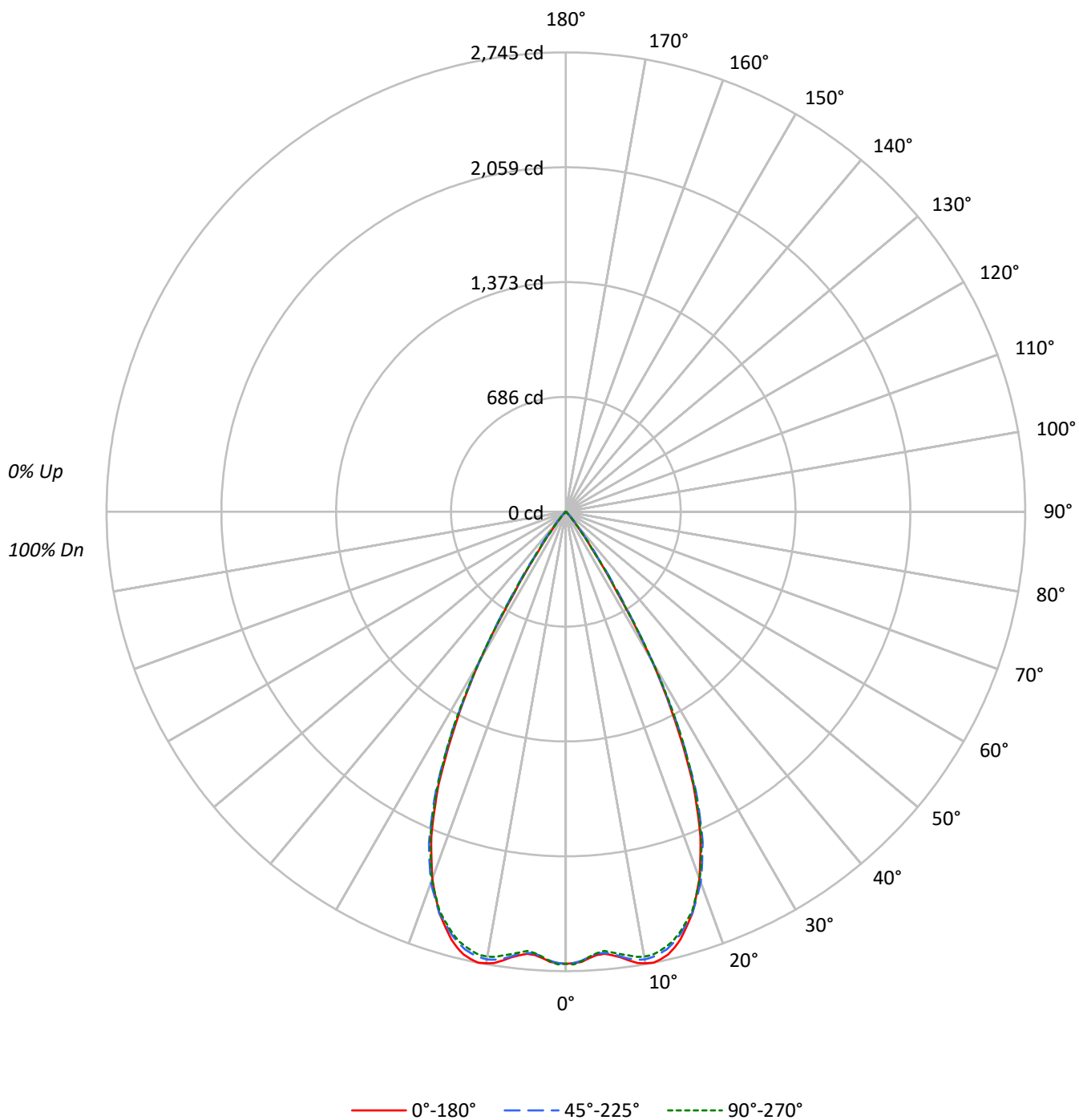
Lumens per Lamp: N/A
Luminaire Lumens: 2070.9 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	465104	465104	465104
5°	458445	457632	455454
10°	479170	475043	472017
15°	471687	467480	465518
20°	427710	432035	428865
25°	342029	349212	345925
30°	205110	205110	207616
35°	59268	70180	61244
40°	16996	23022	16996
45°	3824	8817	3824
50°	1688	2947	1259
55°	1411	1411	1411
60°	1619	1619	1619
65°	1263	1263	1263
70°	1561	1561	1561
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8817 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.0	12.4
10°-20°	729.8	35.2
20°-30°	804.1	38.8
30°-40°	245.9	11.9
40°-50°	24.3	1.2
50°-60°	4.5	0.2
60°-70°	3.6	0.2
70°-80°	2.0	0.1
80°-90°	0.7	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°	1790.0	86.4
0°-40°	2035.9	98.3
0°-60°	2064.7	99.7
0°-90°	2070.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2070.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2701	2701	2701	2701	2701	
5°	2652	2652	2647	2639	2634	257
15°	2646	2641	2622	2611	2611	733
25°	1800	1817	1838	1855	1820	793
35°	282	296	334	307	291	231
45°	16	24	36	24	16	18
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2700.6	2700.6	2700.6	2700.6	2700.6
1°	2697.5	2699.1	2697.5	2694.3	2705.4
2°	2691.2	2689.6	2684.9	2683.3	2688.0
3°	2670.7	2670.7	2664.4	2661.3	2662.8
4°	2655.0	2655.0	2645.5	2642.4	2643.9
5°	2651.8	2651.8	2647.1	2639.2	2634.5
6°	2664.4	2667.6	2656.5	2648.7	2648.7
7°	2683.3	2684.9	2677.0	2666.0	2662.8
8°	2706.9	2708.5	2695.9	2683.3	2677.0
9°	2730.6	2727.4	2710.1	2697.5	2692.8
10°	2740.0	2738.4	2716.4	2703.8	2699.1
11°	2744.7	2736.9	2711.7	2700.6	2699.1
12°	2733.7	2727.4	2700.6	2689.6	2684.9
13°	2714.8	2705.4	2683.3	2672.3	2666.0
14°	2684.9	2675.4	2655.0	2642.4	2643.9
15°	2645.5	2640.8	2621.9	2610.9	2610.9
17.5°	2514.8	2518.0	2513.2	2508.5	2505.4
20°	2333.7	2346.3	2357.3	2351.1	2340.0
22.5°	2102.2	2124.3	2136.9	2140.0	2119.6
25°	1799.9	1817.2	1837.7	1855.0	1820.4
27.5°	1423.5	1439.3	1458.2	1469.2	1464.5
30°	1031.4	1033.0	1031.4	1051.9	1044.0
32.5°	573.2	620.4	628.3	642.5	592.1
35°	281.9	296.0	333.8	307.1	291.3
37.5°	135.4	144.9	181.1	148.0	141.7
40°	75.6	81.9	102.4	85.0	75.6
42.5°	36.2	47.2	55.1	48.8	36.2
45°	15.7	23.6	36.2	23.6	15.7
47.5°	6.3	9.4	22.0	9.4	6.3
50°	6.3	4.7	11.0	4.7	4.7
52.5°	4.7	4.7	6.3	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	3.1	4.7	4.7	4.7	3.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1	3.1
72.5°	1.6	3.1	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
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)