

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: P1309527

Luminaire Tested: P3SQAS24R159035D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159035D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

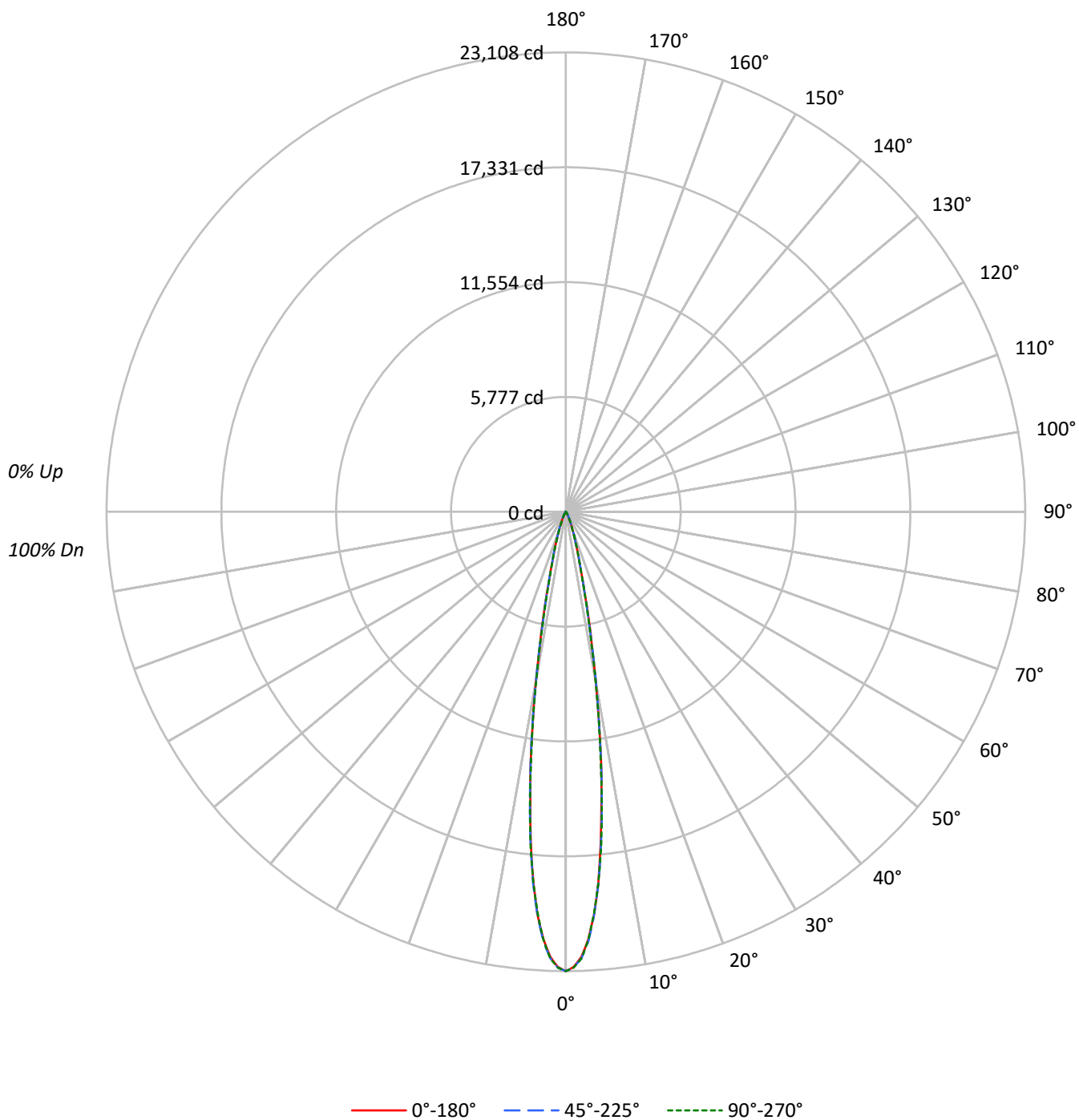
Lumens per Lamp: N/A
Luminaire Lumens: 2579.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309527

CATALOG NUMBER: P3SQAS24R159035D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309527

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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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3979669	3979669	3979669
5°	3240196	3250776	3244431
10°	1511483	1525036	1505765
15°	474629	478641	475735
20°	188059	195537	182066
25°	75973	91878	73255
30°	30426	41782	28796
35°	8998	18438	8578
40°	2743	6880	2293
45°	487	1486	487
50°	0	536	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: 1486 cd/sqm

TEST NUMBER: P1309527

CATALOG NUMBER: P3SQAS24R159035D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1446.8	56.1
10°-20°	865.3	33.6
20°-30°	218.2	8.5
30°-40°	44.5	1.7
40°-50°	4.1	0.2
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°	2530.3	98.1
0°-40°	2574.8	99.8
0°-60°	2579.0	100.0
0°-90°	2579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2579.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23108	23108	23108	23108	23108	
5°	18742	18708	18804	18757	18767	1442
15°	2662	2684	2684	2646	2668	866
25°	400	436	484	428	386	205
35°	43	57	88	55	41	35
45°	2	4	6	4	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	

TEST NUMBER: P1309527

CATALOG NUMBER: P3SQAS24R159035D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23107.7	23107.7	23107.7	23107.7	23107.7
1°	22899.7	22977.2	22936.4	22969.0	22932.3
2°	22404.0	22508.0	22475.4	22465.2	22493.7
3°	21530.9	21651.3	21647.2	21616.6	21567.6
4°	20339.6	20290.7	20366.2	20358.0	20274.4
5°	18742.4	18707.7	18803.6	18756.7	18766.9
6°	16788.2	16939.2	16906.5	16910.6	16949.4
7°	14689.2	14770.8	14840.1	14897.2	14817.7
8°	12761.5	12741.1	12747.2	12812.5	12592.2
9°	10603.3	10729.8	10648.2	10517.6	10601.3
10°	8643.0	8720.5	8720.5	8606.2	8610.3
11°	6890.7	6953.9	6909.1	6937.6	6758.1
12°	5554.6	5397.5	5360.8	5389.4	5387.3
13°	4240.9	4251.1	4240.9	4238.9	4218.5
14°	3325.0	3378.0	3355.6	3300.5	3276.0
15°	2662.0	2684.5	2684.5	2645.7	2668.2
17.5°	1599.3	1625.8	1631.9	1605.4	1605.4
20°	1026.1	1038.3	1066.9	1028.1	993.4
22.5°	632.4	658.9	707.8	650.7	622.2
25°	399.8	436.5	483.5	428.4	385.5
27.5°	250.9	281.5	322.3	269.3	242.7
30°	153.0	173.4	210.1	169.3	144.8
32.5°	85.7	102.0	132.6	97.9	81.6
35°	42.8	57.1	87.7	55.1	40.8
37.5°	24.5	30.6	55.1	26.5	22.4
40°	12.2	16.3	30.6	16.3	10.2
42.5°	4.1	8.2	12.2	8.2	4.1
45°	2.0	4.1	6.1	4.1	2.0
47.5°	0.0	0.0	2.0	0.0	0.0
50°	0.0	0.0	2.0	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



TEST NUMBER: P1309527

CATALOG NUMBER: P3SQAS24R159035D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)