

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: P1313699

Luminaire Tested: P3SQAS20R259730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

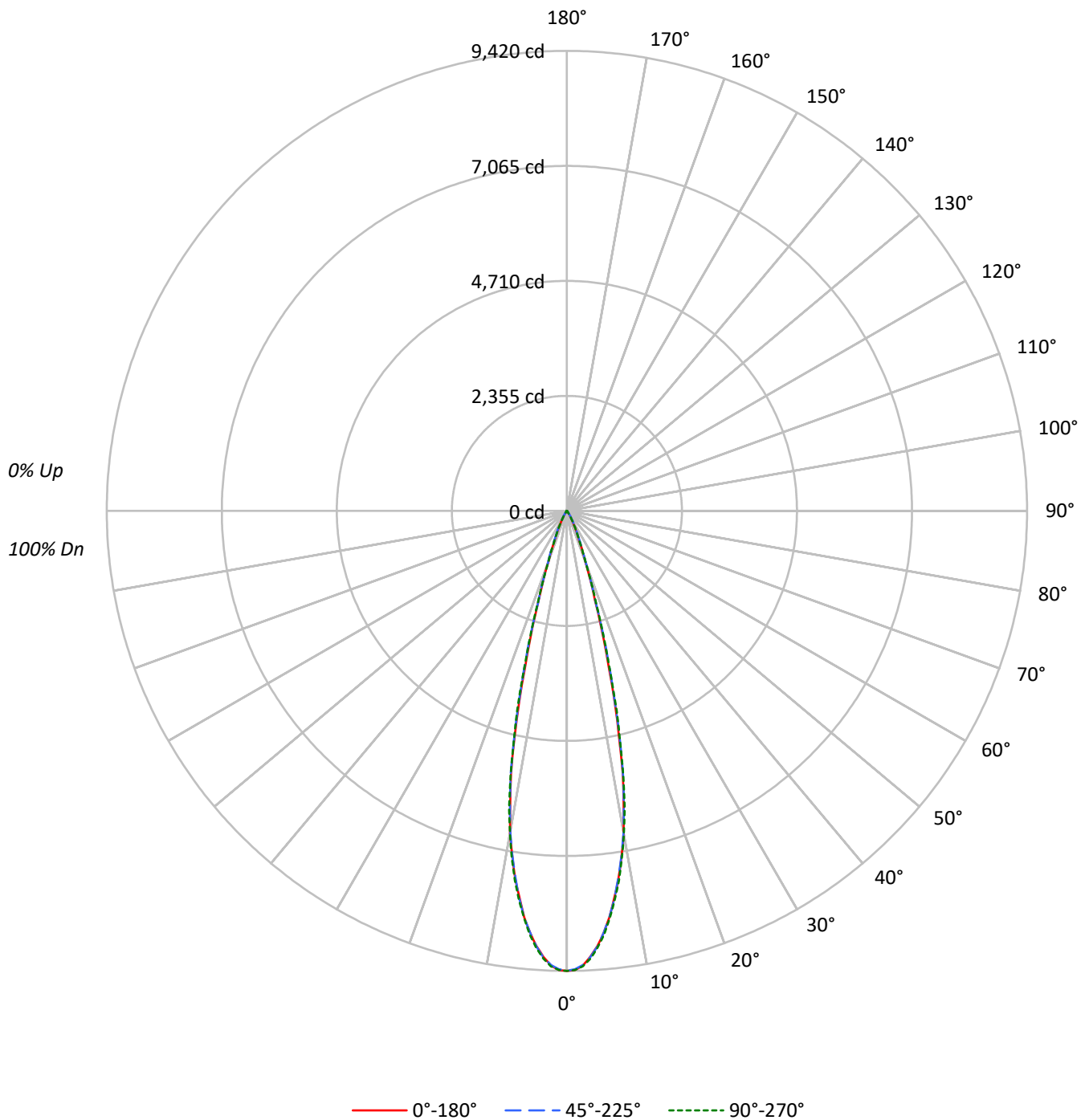
Lumens per Lamp: N/A
Luminaire Lumens: 1989.9 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313699

CATALOG NUMBER: P3SQAS20R259730D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313699

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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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1622320	1622320	1622320
5°	1498476	1497958	1506342
10°	1170538	1167355	1175312
15°	588865	613470	612935
20°	201493	207046	203711
25°	80970	91061	84429
30°	32872	39196	31958
35°	9566	17219	9566
40°	4429	7509	4429
45°	1486	2947	1486
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	1488	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2947 cd/sqm

TEST NUMBER: P1313699

CATALOG NUMBER: P3SQAS20R259730D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.2	38.4
10°-20°	935.4	47.0
20°-30°	228.5	11.5
30°-40°	47.2	2.4
40°-50°	8.2	0.4
50°-60°	2.7	0.1
60°-70°	2.1	0.1
70°-80°	1.4	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°	1928.1	96.9
0°-40°	1975.3	99.3
0°-60°	1986.3	99.8
0°-90°	1989.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1989.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9420	9420	9420	9420	9420	
5°	8668	8675	8665	8683	8713	764
15°	3303	3359	3441	3456	3438	922
25°	426	446	479	452	444	218
35°	46	64	82	62	46	39
45°	6	9	12	9	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1313699

CATALOG NUMBER: P3SQAS20R259730D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9419.9	9419.9	9419.9	9419.9	9419.9
1°	9401.7	9389.6	9386.5	9388.0	9403.2
2°	9316.8	9309.2	9307.7	9312.2	9333.4
3°	9143.9	9153.0	9156.0	9171.2	9181.8
4°	8931.6	8949.8	8942.2	8960.4	8972.5
5°	8667.7	8675.3	8664.7	8682.9	8713.2
6°	8359.9	8332.6	8358.4	8366.0	8387.2
7°	7976.3	7982.3	7991.4	8000.5	8032.4
8°	7598.7	7580.5	7575.9	7618.4	7644.2
9°	7157.4	7160.4	7143.8	7192.3	7199.9
10°	6693.4	6655.5	6675.2	6713.1	6720.7
11°	6080.8	6070.2	6099.0	6158.1	6205.1
12°	5506.1	5512.1	5542.4	5562.2	5551.5
13°	4746.3	4791.8	4829.7	4849.4	4823.7
14°	4059.4	4059.4	4107.9	4115.5	4208.0
15°	3302.7	3358.8	3440.7	3455.9	3437.7
17.5°	1907.6	1915.2	1954.6	1953.1	1981.9
20°	1099.4	1110.0	1129.7	1125.2	1111.5
22.5°	661.2	683.9	730.9	693.0	682.4
25°	426.1	445.8	479.2	451.9	444.3
27.5°	266.9	280.5	306.3	282.1	269.9
30°	165.3	172.9	197.1	174.4	160.7
32.5°	89.5	109.2	128.9	109.2	89.5
35°	45.5	63.7	81.9	62.2	45.5
37.5°	30.3	36.4	53.1	34.9	30.3
40°	19.7	24.3	33.4	24.3	19.7
42.5°	10.6	15.2	18.2	16.7	10.6
45°	6.1	9.1	12.1	9.1	6.1
47.5°	4.5	4.5	7.6	4.5	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	3.0	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	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: P1313699

CATALOG NUMBER: P3SQAS20R259730D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)