

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: P1317232

Luminaire Tested: P3SQAS17R209830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

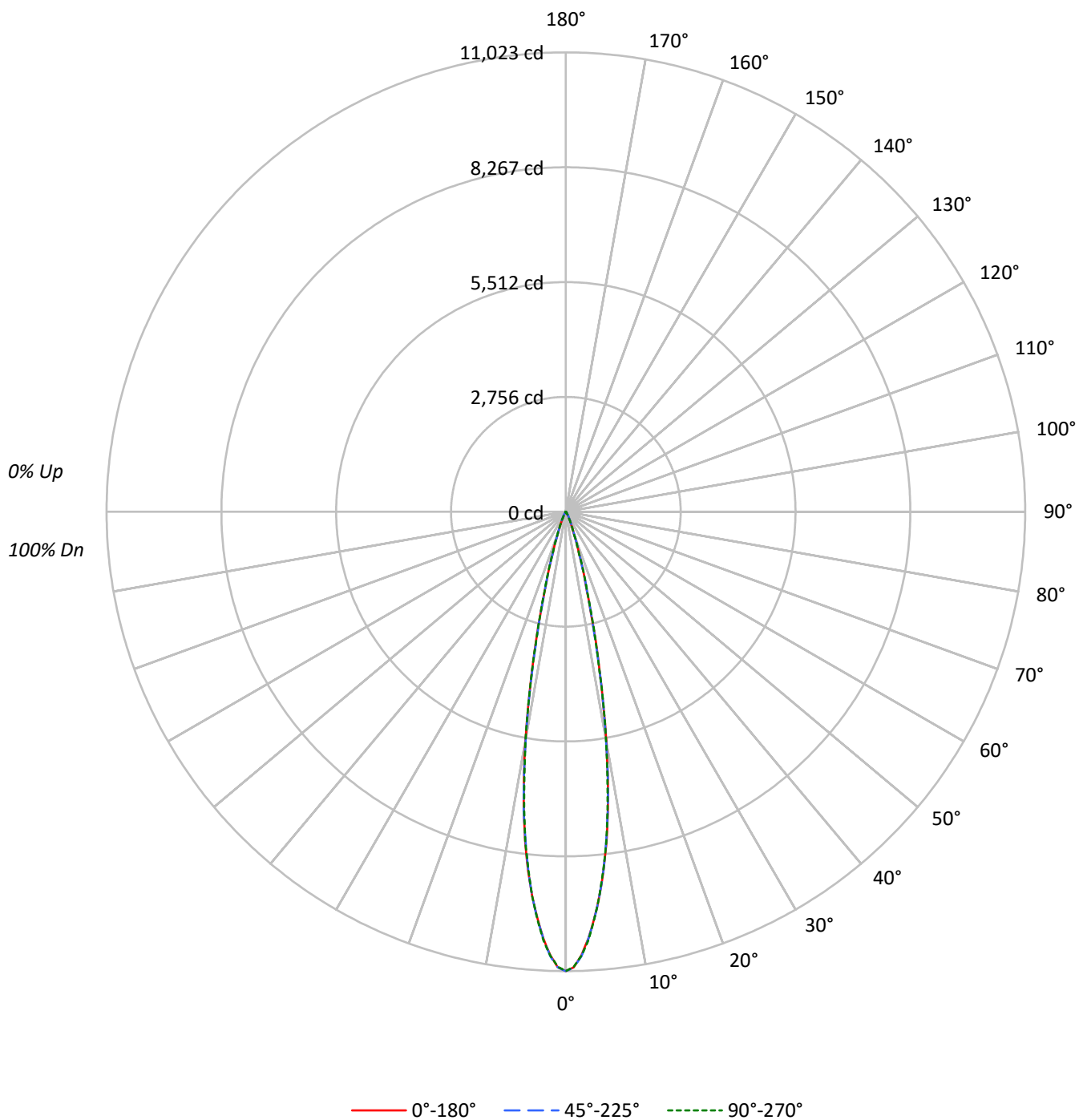
Lumens per Lamp: N/A
Luminaire Lumens: 1519.1 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1317232

CATALOG NUMBER: P3SQAS17R209830DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317232

CATALOG NUMBER: P3SQAS17R209830DE010 E3SQCD1MW

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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1898376	1898376	1898376
5°	1600044	1600649	1599836
10°	975023	970511	972767
15°	343438	344917	355598
20°	107913	110937	108554
25°	40419	44219	41540
30°	15651	22193	16367
35°	5929	9882	6433
40°	3170	4227	3170
45°	1145	1997	1437
50°	643	938	643
55°	721	721	721
60°	413	413	413
65°	489	489	489
70°	604	604	604
75°	0	0	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1997 cd/sqm

TEST NUMBER: P1317232

CATALOG NUMBER: P3SQAS17R209830DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.2	50.4
10°-20°	600.0	39.5
20°-30°	117.8	7.8
30°-40°	26.4	1.7
40°-50°	6.0	0.4
50°-60°	1.9	0.1
60°-70°	1.2	0.1
70°-80°	0.5	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°	1483.0	97.6
0°-40°	1509.4	99.4
0°-60°	1517.4	99.9
0°-90°	1519.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11023	11023	11023	11023	11023	
5°	9255	9263	9259	9290	9254	767
15°	1926	1934	1934	1977	1994	599
25°	213	227	233	229	219	112
35°	28	34	47	34	31	21
45°	5	7	8	7	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1317232

CATALOG NUMBER: P3SQAS17R209830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11022.8	11022.8	11022.8	11022.8	11022.8
1°	10933.4	10909.9	10937.0	10915.8	10920.5
2°	10650.2	10637.3	10672.5	10650.2	10661.9
3°	10256.5	10240.0	10265.9	10267.1	10300.0
4°	9786.4	9754.6	9793.4	9794.6	9800.5
5°	9255.2	9263.4	9258.7	9290.4	9254.0
6°	8658.1	8685.2	8649.9	8667.5	8617.0
7°	7990.6	7956.5	7938.9	7944.7	7980.0
8°	7253.7	7230.2	7256.0	7219.6	7194.9
9°	6434.5	6393.4	6421.6	6386.4	6351.1
10°	5575.4	5556.6	5549.6	5509.6	5562.5
11°	4714.0	4657.6	4685.8	4665.8	4723.4
12°	3907.7	3912.4	3857.2	3874.8	3881.9
13°	3180.2	3105.0	3114.4	3162.6	3170.8
14°	2466.9	2477.4	2481.0	2515.1	2535.0
15°	1926.2	1934.5	1934.5	1976.8	1994.4
17.5°	1033.1	1033.1	1055.4	1060.1	1062.4
20°	588.8	592.3	605.3	604.1	592.3
22.5°	352.6	359.6	366.7	359.6	352.6
25°	212.7	226.8	232.7	229.2	218.6
27.5°	126.9	142.2	158.7	145.7	125.8
30°	78.7	87.0	111.6	89.3	82.3
32.5°	43.5	56.4	76.4	58.8	44.7
35°	28.2	34.1	47.0	34.1	30.6
37.5°	20.0	23.5	29.4	24.7	21.2
40°	14.1	16.5	18.8	17.6	14.1
42.5°	9.4	11.8	12.9	11.8	9.4
45°	4.7	7.1	8.2	7.1	5.9
47.5°	2.4	3.5	5.9	3.5	2.4
50°	2.4	2.4	3.5	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	1.2	2.4	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	1.2
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: P1317232

CATALOG NUMBER: P3SQAS17R209830DE010 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)