

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: P1316505

Luminaire Tested: P3SQAS20R209827D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209827D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

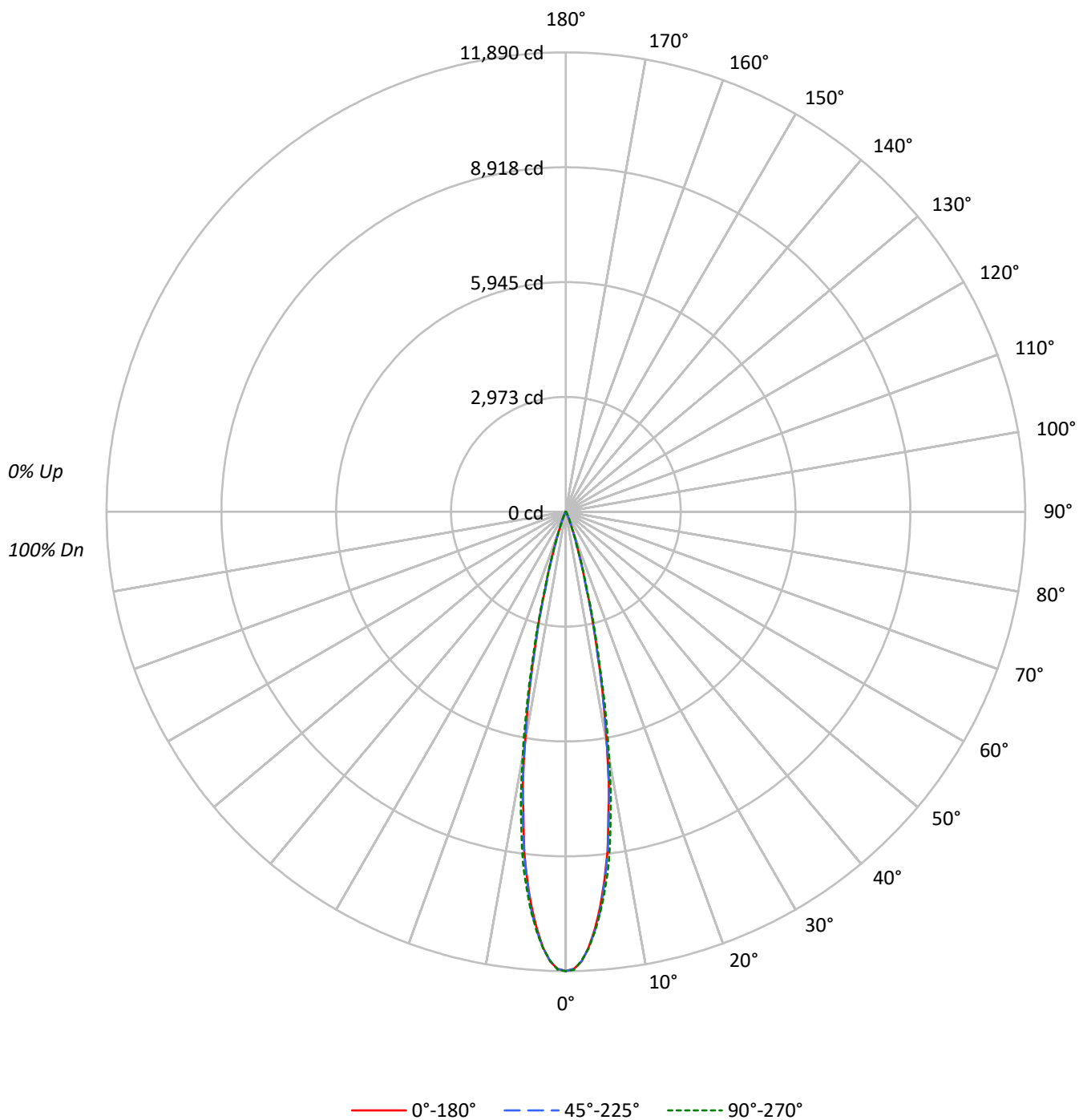
Lumens per Lamp: N/A
Luminaire Lumens: 1597.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2047744	2047744	2047744
5°	1769017	1785493	1792131
10°	1064928	1074879	1128375
15°	368346	359716	388387
20°	96733	90996	91271
25°	21093	25407	28922
30°	9048	9048	9347
35°	5088	4478	4794
40°	2248	2563	2878
45°	682	1047	1047
50°	375	375	375
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: 22.5°

Vertical Angle: 45°

Luminance: 1047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.4	53.3
10°-20°	647.5	40.5
20°-30°	80.1	5.0
30°-40°	15.2	0.9
40°-50°	3.6	0.2
50°-60°	0.2	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°	1578.0	98.8
0°-40°	1593.1	99.8
0°-60°	1597.0	100.0
0°-90°	1597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11890	11890	11890	11890	11890	
5°	10233	10226	10328	10321	10366	844
15°	2066	1992	2018	2138	2178	647
25°	111	127	134	139	152	76
35°	24	24	21	23	23	16
45°	3	4	4	4	4	3
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11890.1	11890.1	11890.1	11890.1	11890.1
1°	11834.6	11820.4	11831.8	11807.6	11857.4
2°	11645.4	11631.2	11631.2	11617.0	11624.1
3°	11292.6	11315.3	11301.1	11271.2	11309.6
4°	10811.7	10837.3	10860.0	10861.5	10867.2
5°	10232.6	10225.5	10327.9	10320.8	10366.3
6°	9572.4	9563.9	9608.0	9682.0	9773.0
7°	8846.8	8743.0	8861.0	9010.4	9132.8
8°	7907.8	7934.8	8015.9	8192.3	8290.5
9°	7111.0	6953.1	7125.3	7335.8	7442.5
10°	6089.5	5961.4	6146.4	6368.3	6452.3
12.5°	3833.0	3722.0	3781.7	4015.1	4052.1
15°	2065.9	1991.9	2017.5	2138.4	2178.3
17.5°	1054.3	987.4	973.2	1050.0	1058.5
20°	527.8	512.2	496.5	503.7	498.0
22.5°	244.7	266.1	263.2	249.0	266.1
25°	111.0	126.6	133.7	139.4	152.2
27.5°	68.3	65.4	75.4	81.1	82.5
30°	45.5	44.1	45.5	47.0	47.0
32.5°	32.7	31.3	29.9	29.9	31.3
35°	24.2	24.2	21.3	22.8	22.8
37.5°	17.1	17.1	15.7	17.1	17.1
40°	10.0	11.4	11.4	11.4	12.8
42.5°	5.7	7.1	7.1	7.1	7.1
45°	2.8	4.3	4.3	4.3	4.3
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)