

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: P1317397

Luminaire Tested: P3SQAS20R259830D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259830D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

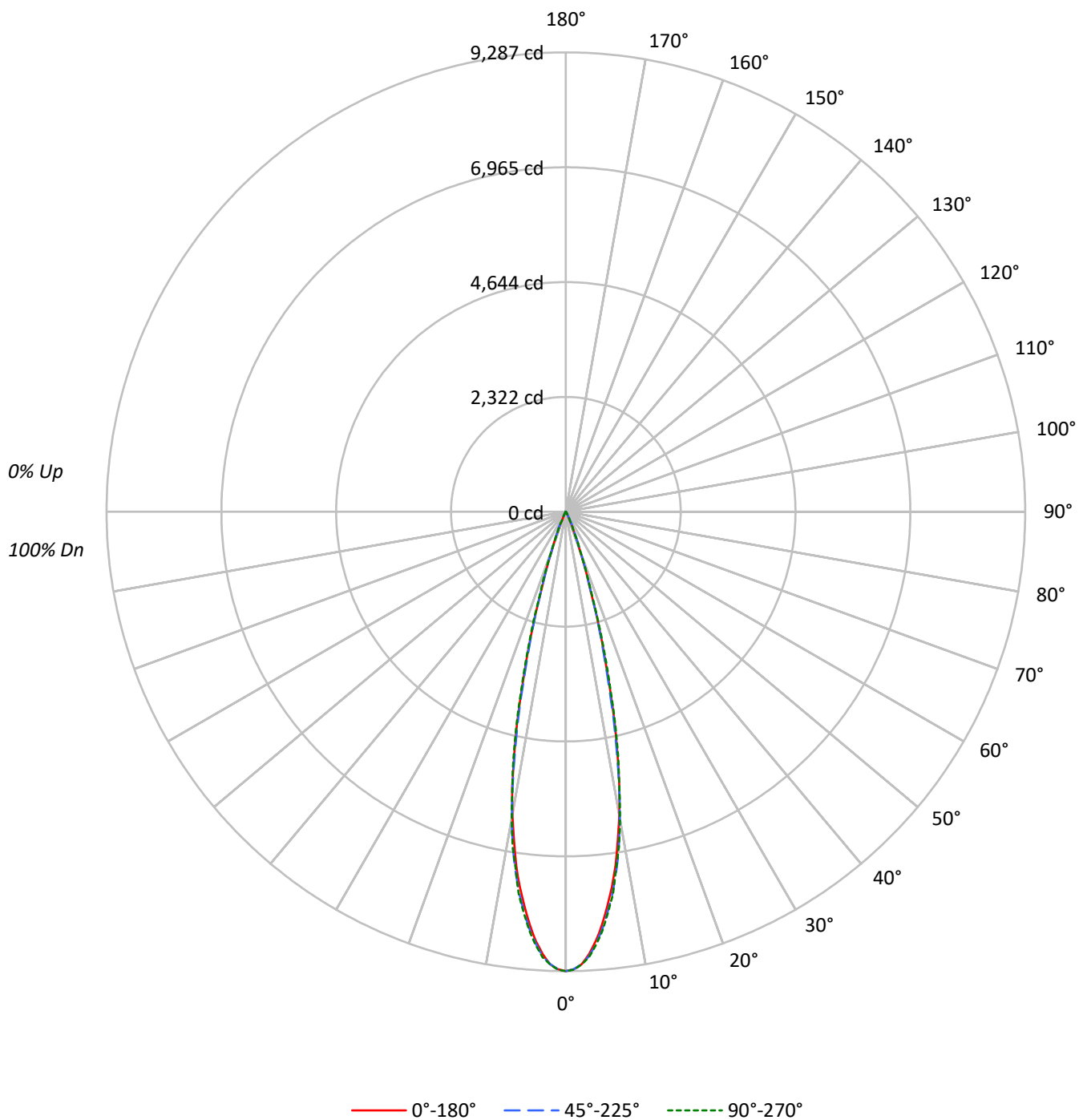
Lumens per Lamp: N/A
Luminaire Lumens: 1714.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1599483	1599483	1599483
5°	1449447	1462655	1469795
10°	1089639	1097386	1102458
15°	539530	523447	558322
20°	152375	154886	156572
25°	26433	49958	31373
30°	10341	10639	10938
35°	3217	3532	3532
40°	1034	1371	1034
45°	755	365	755
50°	402	0	402
55°	450	0	450
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: 0°

Vertical Angle: 45°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.8	43.0
10°-20°	832.0	48.5
20°-30°	129.1	7.5
30°-40°	13.1	0.8
40°-50°	1.8	0.1
50°-60°	0.3	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°	1698.9	99.1
0°-40°	1711.9	99.9
0°-60°	1714.0	100.0
0°-90°	1714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9287	9287	9287	9287	9287	
5°	8384	8399	8460	8494	8502	731
15°	3026	3005	2936	3067	3131	829
25°	139	206	263	200	165	117
35°	15	17	17	18	17	12
45°	3	2	2	2	3	2
55°	2	0	0	0	2	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9287.3	9287.3	9287.3	9287.3	9287.3
1°	9249.1	9261.4	9247.6	9262.9	9261.4
2°	9152.9	9165.1	9148.3	9157.4	9157.4
3°	8955.7	8981.7	8997.0	9007.7	9016.8
4°	8695.9	8724.9	8747.9	8775.4	8775.4
5°	8384.1	8399.4	8460.5	8494.2	8501.8
6°	8012.8	8073.9	8119.7	8187.0	8145.7
7°	7641.4	7691.8	7756.0	7766.7	7795.7
8°	7219.6	7273.1	7332.7	7322.0	7297.5
9°	6706.1	6784.0	6854.3	6831.4	6862.0
10°	6230.8	6278.2	6275.1	6252.2	6304.1
11°	5679.1	5689.8	5630.2	5723.4	5666.9
12°	5025.0	5034.1	4957.7	5049.4	5107.5
13°	4398.4	4377.0	4271.5	4392.3	4465.6
14°	3677.0	3684.7	3550.2	3784.0	3765.7
15°	3026.0	3004.6	2935.8	3067.3	3131.4
17.5°	1612.3	1626.1	1609.3	1675.0	1716.3
20°	831.4	854.3	845.1	872.6	854.3
22.5°	431.0	463.1	472.2	450.8	392.8
25°	139.1	206.3	262.9	200.2	165.1
27.5°	84.1	82.5	128.4	88.6	90.2
30°	52.0	50.4	53.5	53.5	55.0
32.5°	29.0	30.6	29.0	32.1	30.6
35°	15.3	16.8	16.8	18.3	16.8
37.5°	9.2	10.7	10.7	10.7	9.2
40°	4.6	6.1	6.1	4.6	4.6
42.5°	3.1	3.1	3.1	3.1	3.1
45°	3.1	1.5	1.5	1.5	3.1
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	1.5	0.0	1.5	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	1.5	0.0	0.0	0.0	1.5
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



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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)