

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: P1308299

Luminaire Tested: P3SQAS20R259030D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308299
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: P3SQAS20R259030D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

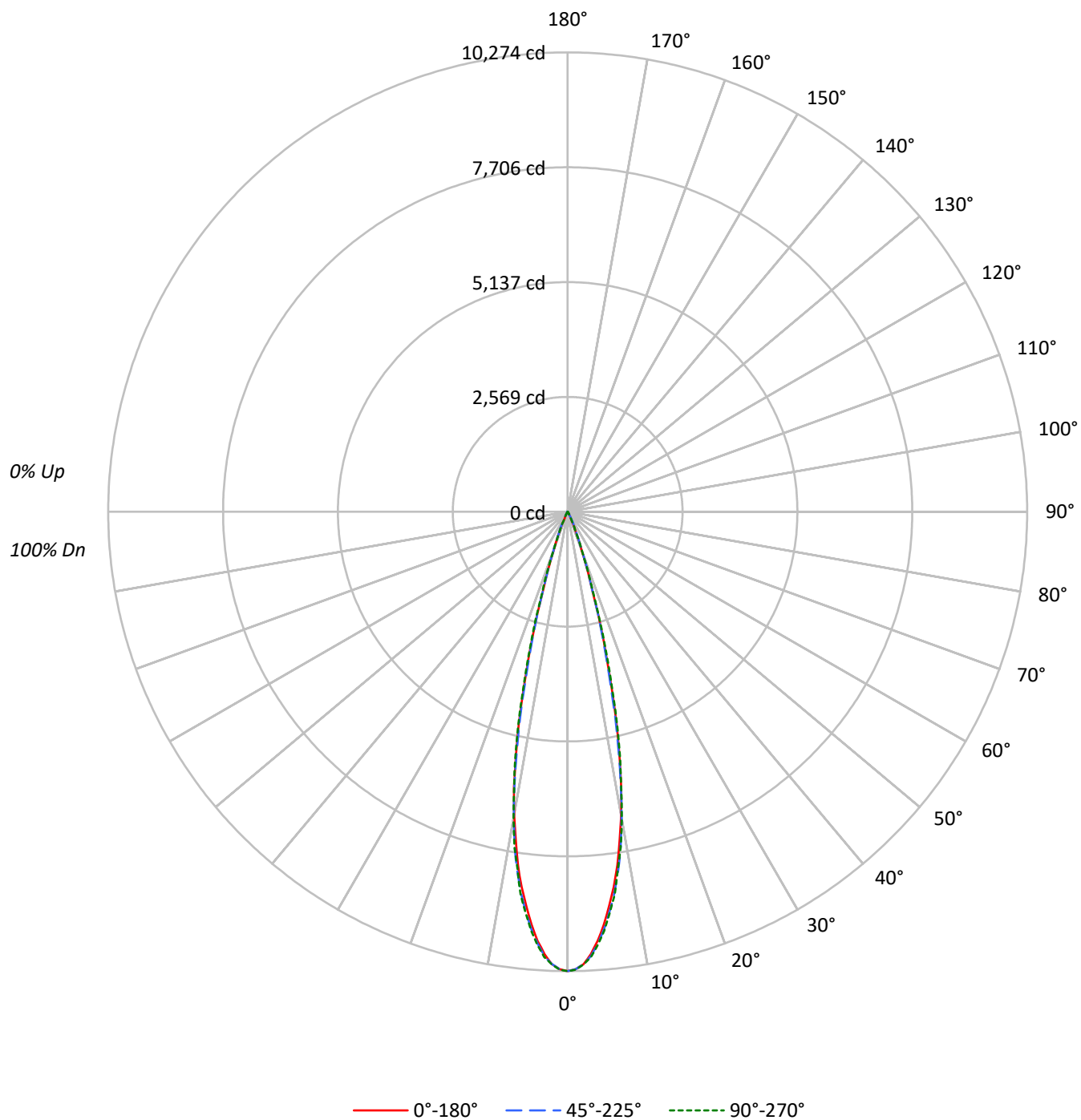
Lumens per Lamp: N/A
Luminaire Lumens: 1896.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	1769329	1769329	1769329
5°	1603363	1617971	1625872
10°	1205339	1213908	1219522
15°	596817	579041	617624
20°	168558	171344	173195
25°	29226	55260	34699
30°	11435	11773	12111
35°	3553	3911	3911
40°	1147	1529	1147
45°	828	414	828
50°	455	0	455
55°	510	0	510
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: 828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.1	43.0
10°-20°	920.4	48.5
20°-30°	142.8	7.5
30°-40°	14.5	0.8
40°-50°	2.0	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°	1879.3	99.1
0°-40°	1893.7	99.9
0°-60°	1896.0	100.0
0°-90°	1896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10274	10274	10274	10274	10274	
5°	9274	9291	9359	9396	9405	808
15°	3347	3324	3248	3393	3464	917
25°	154	228	291	222	183	129
35°	17	19	19	20	19	14
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°	10273.5	10273.5	10273.5	10273.5	10273.5
1°	10231.3	10244.8	10229.6	10246.5	10244.8
2°	10124.7	10138.3	10119.7	10129.8	10129.8
3°	9906.7	9935.4	9952.3	9964.1	9974.3
4°	9619.3	9651.4	9676.7	9707.2	9707.2
5°	9274.4	9291.3	9358.9	9396.1	9404.6
6°	8863.6	8931.2	8981.9	9056.3	9010.7
7°	8452.8	8508.6	8579.6	8591.4	8623.5
8°	7986.2	8045.4	8111.3	8099.5	8072.4
9°	7418.2	7504.4	7582.1	7556.8	7590.6
10°	6892.4	6944.8	6941.4	6916.1	6973.5
11°	6282.1	6293.9	6228.0	6331.1	6268.6
12°	5558.6	5568.7	5484.2	5585.6	5649.8
13°	4865.4	4841.8	4725.1	4858.7	4939.8
14°	4067.5	4075.9	3927.2	4185.8	4165.5
15°	3347.3	3323.6	3247.6	3392.9	3464.0
17.5°	1783.5	1798.8	1780.2	1852.9	1898.5
20°	919.7	945.0	934.9	965.3	945.0
22.5°	476.7	512.2	522.4	498.7	434.5
25°	153.8	228.2	290.8	221.5	182.6
27.5°	93.0	91.3	142.0	98.1	99.7
30°	57.5	55.8	59.2	59.2	60.9
32.5°	32.1	33.8	32.1	35.5	33.8
35°	16.9	18.6	18.6	20.3	18.6
37.5°	10.1	11.8	11.8	11.8	10.1
40°	5.1	6.8	6.8	5.1	5.1
42.5°	3.4	3.4	3.4	3.4	3.4
45°	3.4	1.7	1.7	1.7	3.4
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	1.7	0.0	1.7	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
55°	1.7	0.0	0.0	0.0	1.7
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)