

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: P1317395

Luminaire Tested: P3SQAS20R259830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317395
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: P3SQAS20R259830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

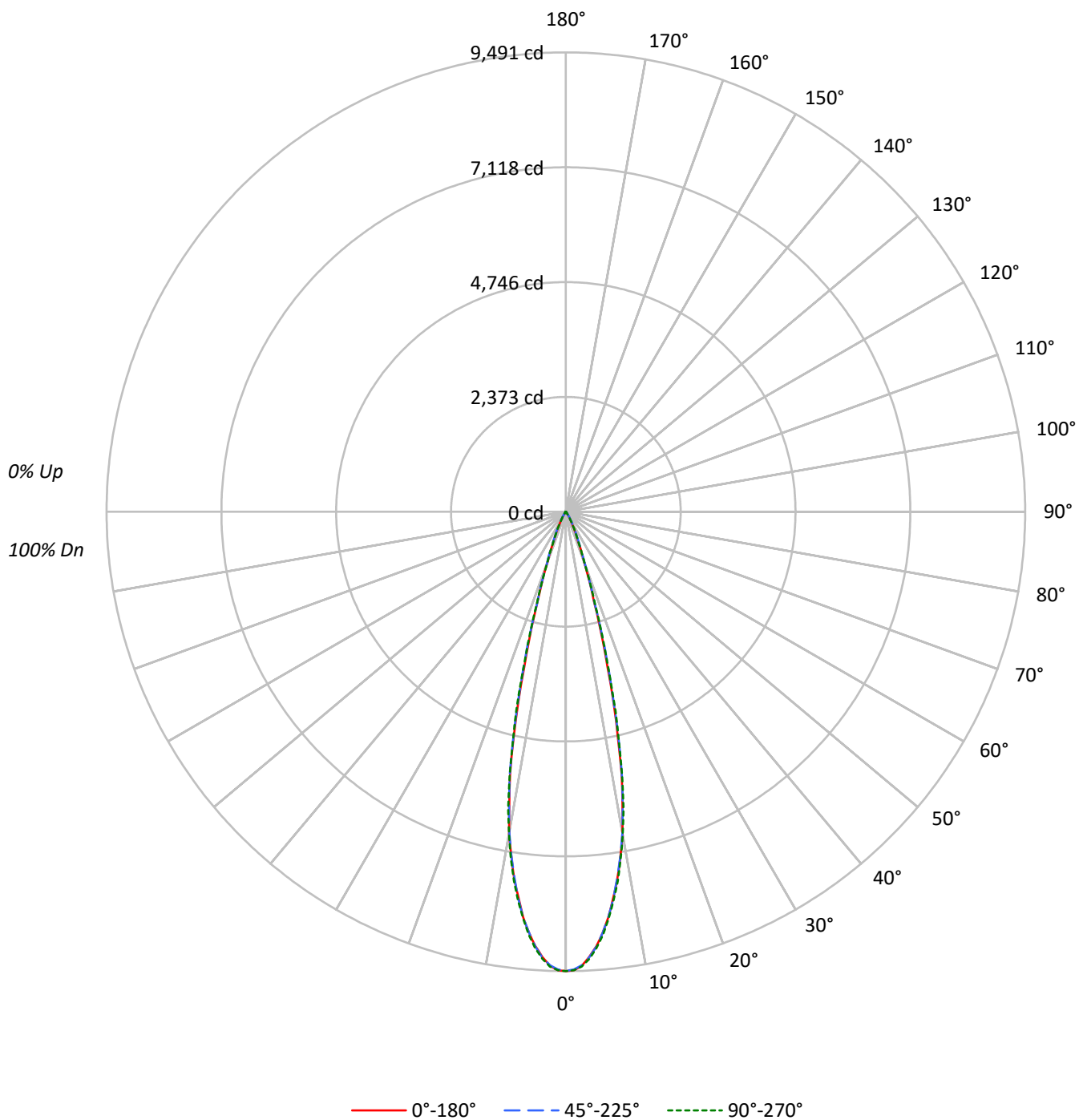
Lumens per Lamp: N/A
Luminaire Lumens: 2005.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1634548	1634548	1634548
5°	1509783	1509247	1517701
10°	1179352	1176152	1184161
15°	593304	618088	617553
20°	203014	208604	205250
25°	81578	91745	85075
30°	33111	39495	32216
35°	9629	17345	9629
40°	4474	7554	4474
45°	1486	2971	1486
50°	831	1232	831
55°	931	931	931
60°	1068	1068	1068
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: 2971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.0	38.4
10°-20°	942.4	47.0
20°-30°	230.2	11.5
30°-40°	47.6	2.4
40°-50°	8.3	0.4
50°-60°	2.8	0.1
60°-70°	2.2	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°	1942.6	96.9
0°-40°	1990.2	99.3
0°-60°	2001.4	99.8
0°-90°	2005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9491	9491	9491	9491	9491	
5°	8733	8741	8730	8748	8779	769
15°	3328	3384	3467	3482	3464	929
25°	429	449	483	455	448	220
35°	46	64	82	63	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9490.9	9490.9	9490.9	9490.9	9490.9
1°	9472.6	9460.3	9457.3	9458.8	9474.1
2°	9387.0	9379.4	9377.8	9382.4	9403.8
3°	9212.8	9222.0	9225.0	9240.3	9251.0
4°	8998.9	9017.3	9009.6	9028.0	9040.2
5°	8733.1	8740.7	8730.0	8748.4	8778.9
6°	8422.9	8395.4	8421.4	8429.0	8450.4
7°	8036.4	8042.5	8051.7	8060.8	8092.9
8°	7656.0	7637.6	7633.0	7675.8	7701.8
9°	7211.4	7214.4	7197.6	7246.5	7254.1
10°	6743.8	6705.6	6725.5	6763.7	6771.3
11°	6126.6	6115.9	6144.9	6204.5	6251.9
12°	5547.6	5553.7	5584.2	5604.1	5593.4
13°	4782.1	4827.9	4866.1	4886.0	4860.0
14°	4090.0	4090.0	4138.9	4146.5	4239.7
15°	3327.6	3384.1	3466.6	3481.9	3463.6
17.5°	1922.0	1929.7	1969.4	1967.8	1996.9
20°	1107.7	1118.4	1138.2	1133.7	1119.9
22.5°	666.1	689.1	736.4	698.2	687.5
25°	429.3	449.2	482.8	455.3	447.7
27.5°	268.9	282.6	308.6	284.2	272.0
30°	166.5	174.2	198.6	175.7	162.0
32.5°	90.1	110.0	129.9	110.0	90.1
35°	45.8	64.2	82.5	62.6	45.8
37.5°	30.6	36.7	53.5	35.1	30.6
40°	19.9	24.4	33.6	24.4	19.9
42.5°	10.7	15.3	18.3	16.8	10.7
45°	6.1	9.2	12.2	9.2	6.1
47.5°	4.6	4.6	7.6	4.6	3.1
50°	3.1	3.1	4.6	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	1.5	3.1	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



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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)