

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: P1307327

Luminaire Tested: P3SQAS24R259027D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307327
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: P3SQAS24R259027D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

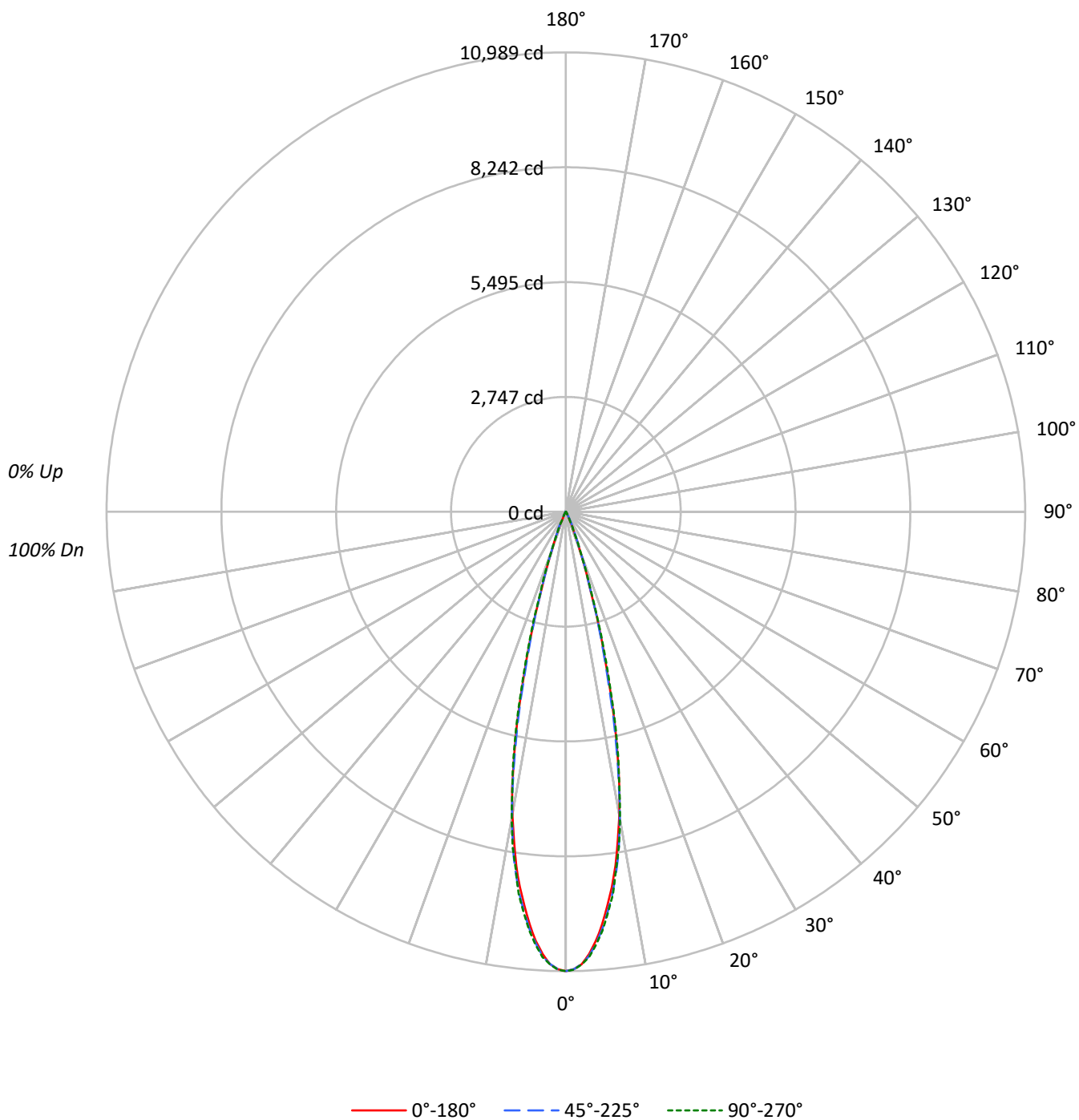
Lumens per Lamp: N/A
Luminaire Lumens: 2028.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1892520	1892520	1892520
5°	1714992	1730620	1739057
10°	1289264	1298427	1304426
15°	638360	619354	660612
20°	180288	183276	185255
25°	31278	59098	37112
30°	12230	12588	12946
35°	3805	4184	4184
40°	1214	1619	1214
45°	877	438	877
50°	482	0	482
55°	540	0	540
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: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.9	43.0
10°-20°	984.5	48.5
20°-30°	152.7	7.5
30°-40°	15.5	0.8
40°-50°	2.1	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°	2010.1	99.1
0°-40°	2025.6	99.9
0°-60°	2028.0	100.0
0°-90°	2028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10989	10989	10989	10989	10989	
5°	9920	9938	10010	10050	10059	865
15°	3580	3555	3474	3629	3705	981
25°	165	244	311	237	195	138
35°	18	20	20	22	20	15
45°	4	2	2	2	4	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°	10988.8	10988.8	10988.8	10988.8	10988.8
1°	10943.6	10958.0	10941.7	10959.8	10958.0
2°	10829.6	10844.1	10824.2	10835.1	10835.1
3°	10596.4	10627.1	10645.2	10657.8	10668.7
4°	10289.0	10323.3	10350.4	10383.0	10383.0
5°	9920.1	9938.2	10010.5	10050.3	10059.3
6°	9480.7	9553.0	9607.3	9686.8	9638.0
7°	9041.3	9100.9	9176.9	9189.5	9223.9
8°	8542.2	8605.5	8676.0	8663.3	8634.4
9°	7934.6	8026.8	8110.0	8082.9	8119.1
10°	7372.3	7428.3	7424.7	7397.6	7459.0
11°	6719.5	6732.1	6661.6	6771.9	6705.0
12°	5945.5	5956.4	5866.0	5974.5	6043.2
13°	5204.2	5178.8	5054.1	5196.9	5283.7
14°	4350.7	4359.7	4200.6	4477.2	4455.5
15°	3580.3	3555.0	3473.7	3629.2	3705.1
17.5°	1907.7	1924.0	1904.1	1981.8	2030.7
20°	983.7	1010.8	1000.0	1032.5	1010.8
22.5°	509.9	547.9	558.8	533.4	464.7
25°	164.6	244.1	311.0	236.9	195.3
27.5°	99.5	97.6	151.9	104.9	106.7
30°	61.5	59.7	63.3	63.3	65.1
32.5°	34.4	36.2	34.4	38.0	36.2
35°	18.1	19.9	19.9	21.7	19.9
37.5°	10.8	12.7	12.7	12.7	10.8
40°	5.4	7.2	7.2	5.4	5.4
42.5°	3.6	3.6	3.6	3.6	3.6
45°	3.6	1.8	1.8	1.8	3.6
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	1.8	0.0	1.8	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
55°	1.8	0.0	0.0	0.0	1.8
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)