

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: P1312427

Luminaire Tested: P3SQAS13R259727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312427
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: P3SQAS13R259727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

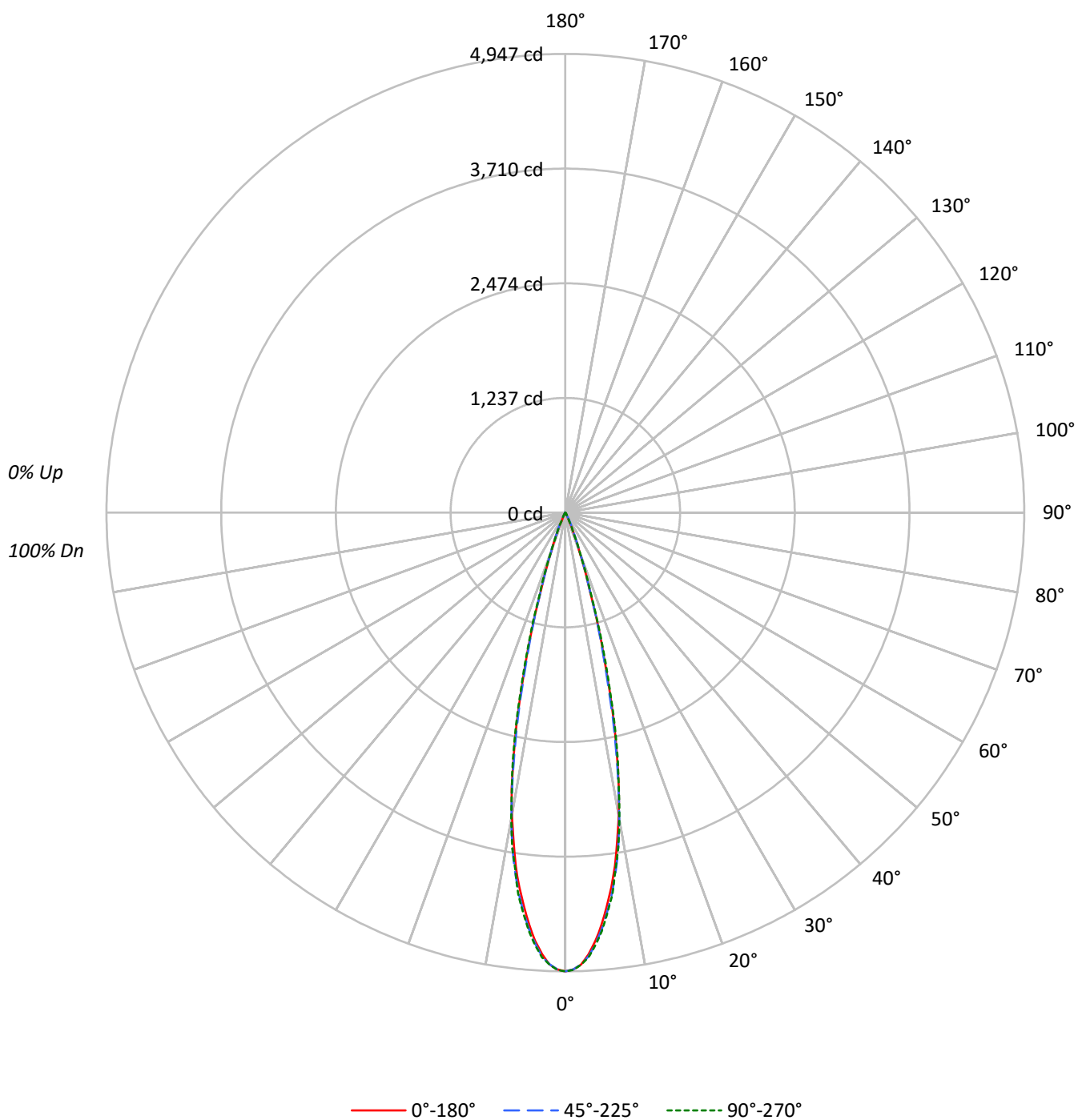
Lumens per Lamp: N/A
Luminaire Lumens: 913.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	852003	852003	852003
5°	772084	779121	782924
10°	580425	584552	587245
15°	287399	278822	297401
20°	81173	82511	83409
25°	14081	26604	16703
30°	5509	5668	5827
35°	1703	1892	1892
40°	540	742	540
45°	390	195	390
50°	214	0	214
55°	240	0	240
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: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.0	43.0
10°-20°	443.2	48.5
20°-30°	68.7	7.5
30°-40°	7.0	0.8
40°-50°	0.9	0.1
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°	904.9	99.1
0°-40°	911.9	99.9
0°-60°	913.0	100.0
0°-90°	913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4947	4947	4947	4947	4947	
5°	4466	4474	4507	4525	4529	389
15°	1612	1600	1564	1634	1668	441
25°	74	110	140	107	88	62
35°	8	9	9	10	9	7
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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°	4947.1	4947.1	4947.1	4947.1	4947.1
1°	4926.8	4933.3	4925.9	4934.1	4933.3
2°	4875.5	4882.0	4873.0	4877.9	4877.9
3°	4770.5	4784.3	4792.4	4798.1	4803.0
4°	4632.1	4647.5	4659.7	4674.4	4674.4
5°	4466.0	4474.1	4506.7	4524.6	4528.7
6°	4268.2	4300.7	4325.2	4361.0	4339.0
7°	4070.4	4097.2	4131.4	4137.1	4152.6
8°	3845.7	3874.2	3905.9	3900.2	3887.2
9°	3572.1	3613.7	3651.1	3638.9	3655.2
10°	3319.0	3344.2	3342.6	3330.4	3358.0
11°	3025.1	3030.8	2999.0	3048.7	3018.6
12°	2676.7	2681.5	2640.8	2689.7	2720.6
13°	2342.9	2331.5	2275.3	2339.6	2378.7
14°	1958.7	1962.7	1891.1	2015.6	2005.9
15°	1611.9	1600.5	1563.8	1633.8	1668.0
17.5°	858.8	866.2	857.2	892.2	914.2
20°	442.9	455.1	450.2	464.8	455.1
22.5°	229.6	246.7	251.5	240.2	209.2
25°	74.1	109.9	140.0	106.6	87.9
27.5°	44.8	44.0	68.4	47.2	48.0
30°	27.7	26.9	28.5	28.5	29.3
32.5°	15.5	16.3	15.5	17.1	16.3
35°	8.1	9.0	9.0	9.8	9.0
37.5°	4.9	5.7	5.7	5.7	4.9
40°	2.4	3.3	3.3	2.4	2.4
42.5°	1.6	1.6	1.6	1.6	1.6
45°	1.6	0.8	0.8	0.8	1.6
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.8	0.0	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.8	0.0	0.0	0.0	0.8
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)