

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: P1307996

Luminaire Tested: P3SQAS13R259030DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307996
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: P3SQAS13R259030DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

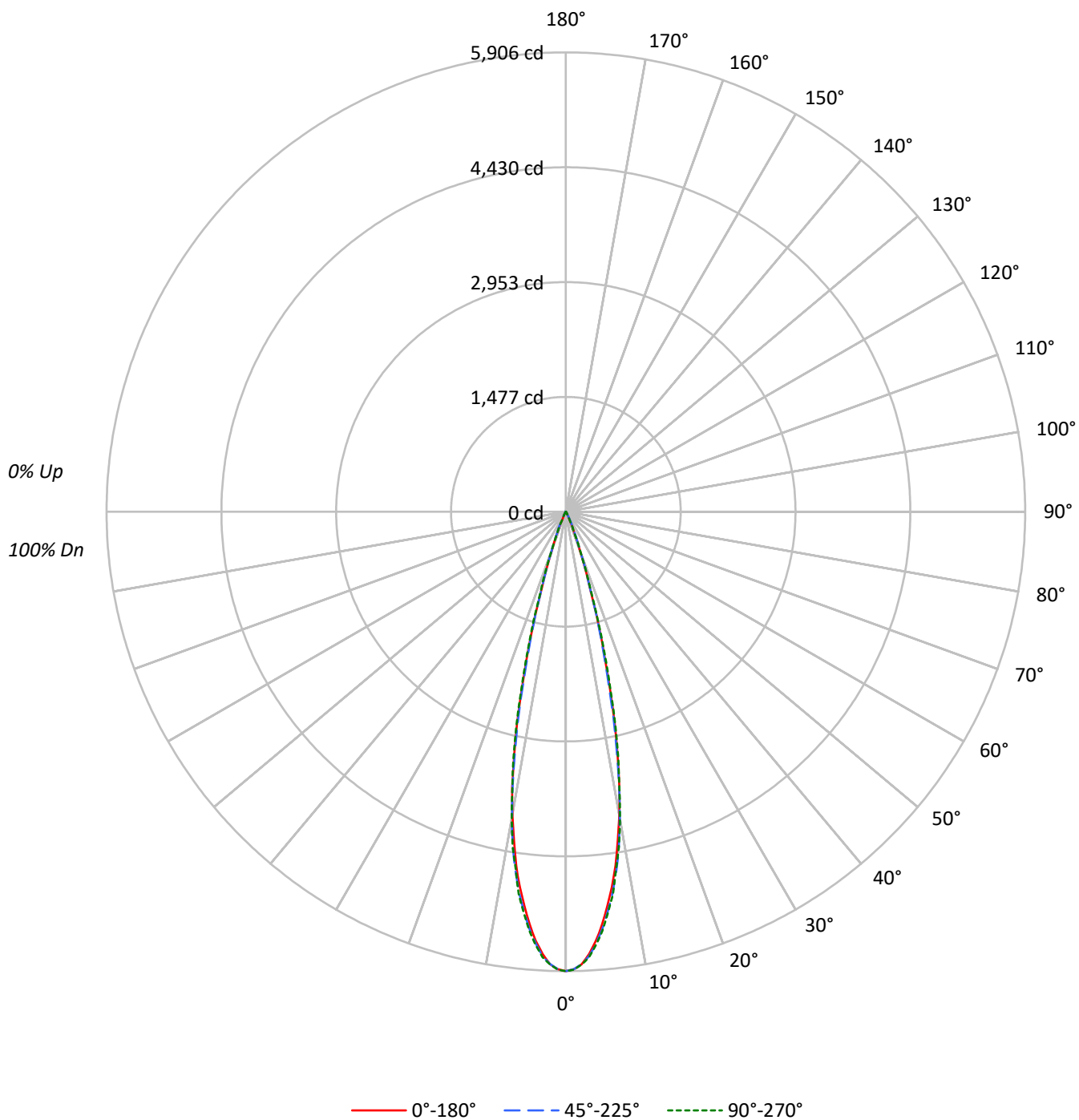
Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1017181	1017181	1017181
5°	921764	930166	934696
10°	692942	697874	701109
15°	343099	332882	355063
20°	96898	98511	99574
25°	16798	31772	19953
30°	6563	6761	6960
35°	2039	2250	2250
40°	652	877	652
45°	463	244	463
50°	268	0	268
55°	300	0	300
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: 463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.2	43.0
10°-20°	529.1	48.5
20°-30°	82.1	7.5
30°-40°	8.3	0.8
40°-50°	1.1	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°	1080.4	99.1
0°-40°	1088.7	99.9
0°-60°	1090.0	100.0
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5906	5906	5906	5906	5906	
5°	5332	5342	5380	5402	5407	465
15°	1924	1911	1867	1951	1991	527
25°	88	131	167	127	105	74
35°	10	11	11	12	11	8
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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°	5906.2	5906.2	5906.2	5906.2	5906.2
1°	5881.9	5889.7	5880.9	5890.6	5889.7
2°	5820.7	5828.4	5817.7	5823.6	5823.6
3°	5695.3	5711.8	5721.5	5728.3	5734.2
4°	5530.1	5548.5	5563.1	5580.6	5580.6
5°	5331.8	5341.5	5380.4	5401.8	5406.6
6°	5095.6	5134.5	5163.7	5206.4	5180.2
7°	4859.5	4891.5	4932.4	4939.2	4957.6
8°	4591.2	4625.2	4663.1	4656.3	4640.8
9°	4264.7	4314.2	4358.9	4344.4	4363.8
10°	3962.4	3992.5	3990.6	3976.0	4009.1
11°	3611.6	3618.4	3580.5	3639.7	3603.8
12°	3195.6	3201.4	3152.8	3211.1	3248.1
13°	2797.1	2783.5	2716.4	2793.2	2839.9
14°	2338.4	2343.2	2257.7	2406.4	2394.7
15°	1924.3	1910.7	1867.0	1950.6	1991.4
17.5°	1025.3	1034.1	1023.4	1065.2	1091.4
20°	528.7	543.3	537.5	555.0	543.3
22.5°	274.1	294.5	300.3	286.7	249.8
25°	88.4	131.2	167.2	127.3	105.0
27.5°	53.5	52.5	81.6	56.4	57.3
30°	33.0	32.1	34.0	34.0	35.0
32.5°	18.5	19.4	18.5	20.4	19.4
35°	9.7	10.7	10.7	11.7	10.7
37.5°	5.8	6.8	6.8	6.8	5.8
40°	2.9	3.9	3.9	2.9	2.9
42.5°	1.9	1.9	1.9	1.9	1.9
45°	1.9	1.0	1.0	1.0	1.9
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	1.0	0.0	1.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
55°	1.0	0.0	0.0	0.0	1.0
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)