

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: P1315175

Luminaire Tested: P3SQAS09R259740DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315175
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: P3SQAS09R259740DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

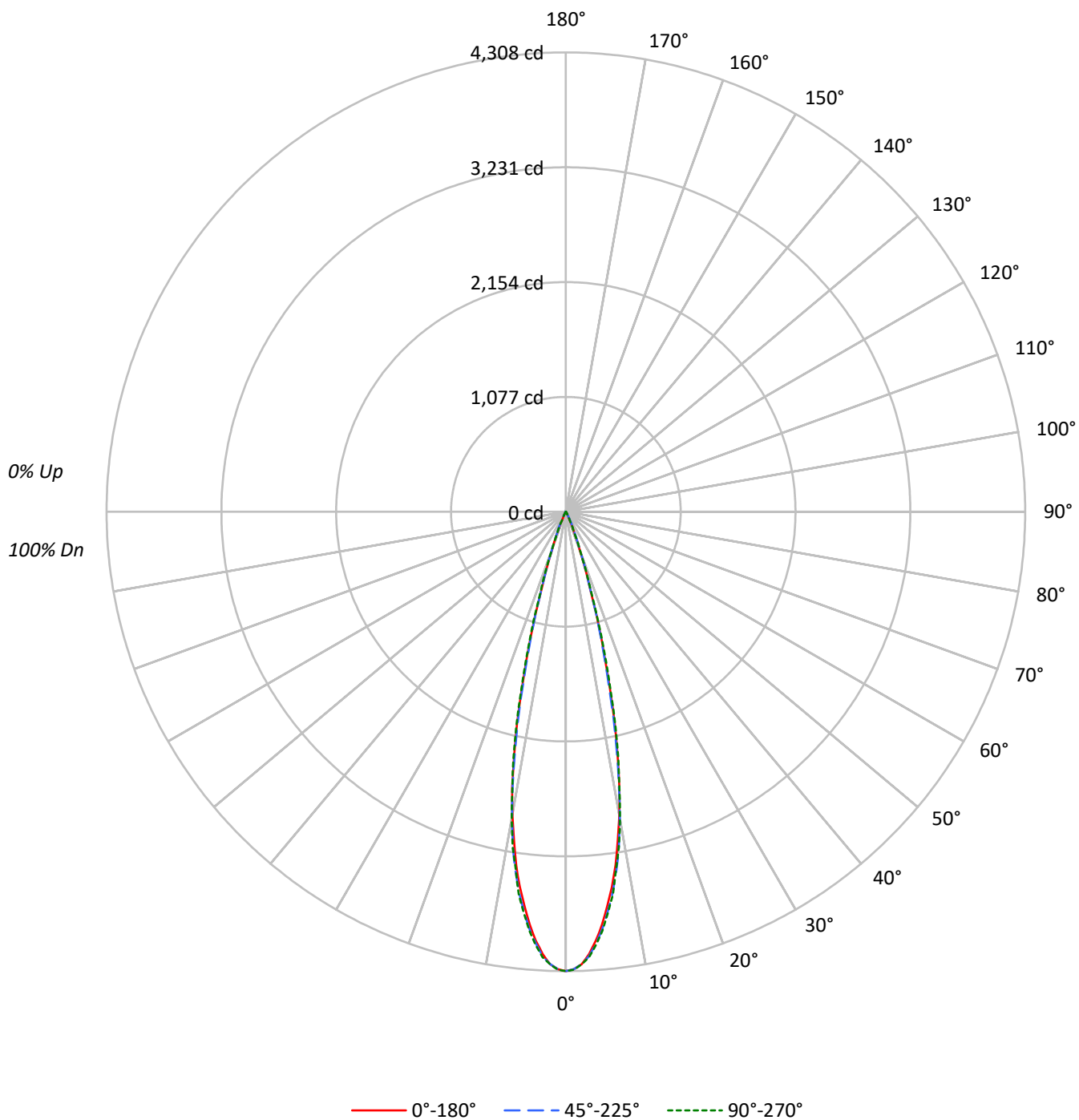
Lumens per Lamp: N/A
Luminaire Lumens: 795.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	741883	741883	741883
5°	672298	678418	681737
10°	505402	509004	511348
15°	250241	242788	258960
20°	70671	71844	72632
25°	12257	23164	14556
30°	4793	4932	5071
35°	1493	1640	1640
40°	472	629	472
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 341 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	43.0
10°-20°	385.9	48.5
20°-30°	59.9	7.5
30°-40°	6.1	0.8
40°-50°	0.8	0.1
50°-60°	0.1	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°	788.0	99.1
0°-40°	794.1	99.9
0°-60°	795.0	100.0
0°-90°	795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4308	4308	4308	4308	4308	
5°	3889	3896	3924	3940	3943	339
15°	1404	1394	1362	1423	1452	384
25°	64	96	122	93	77	54
35°	7	8	8	8	8	6
45°	1	1	1	1	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4307.7	4307.7	4307.7	4307.7	4307.7
1°	4290.0	4295.7	4289.3	4296.4	4295.7
2°	4245.3	4251.0	4243.2	4247.5	4247.5
3°	4153.9	4166.0	4173.0	4178.0	4182.3
4°	4033.4	4046.9	4057.5	4070.3	4070.3
5°	3888.8	3895.9	3924.2	3939.8	3943.4
6°	3716.5	3744.9	3766.2	3797.3	3778.2
7°	3544.3	3567.7	3597.4	3602.4	3615.9
8°	3348.6	3373.5	3401.1	3396.1	3384.8
9°	3110.5	3146.6	3179.2	3168.6	3182.8
10°	2890.0	2912.0	2910.6	2899.9	2924.0
11°	2634.1	2639.1	2611.4	2654.7	2628.4
12°	2330.7	2335.0	2299.5	2342.1	2369.0
13°	2040.1	2030.2	1981.3	2037.3	2071.3
14°	1705.5	1709.1	1646.7	1755.1	1746.6
15°	1403.5	1393.6	1361.7	1422.7	1452.4
17.5°	747.8	754.2	746.4	776.9	796.0
20°	385.6	396.3	392.0	404.8	396.3
22.5°	199.9	214.8	219.0	209.1	182.2
25°	64.5	95.7	121.9	92.9	76.6
27.5°	39.0	38.3	59.5	41.1	41.8
30°	24.1	23.4	24.8	24.8	25.5
32.5°	13.5	14.2	13.5	14.9	14.2
35°	7.1	7.8	7.8	8.5	7.8
37.5°	4.3	5.0	5.0	5.0	4.3
40°	2.1	2.8	2.8	2.1	2.1
42.5°	1.4	1.4	1.4	1.4	1.4
45°	1.4	0.7	0.7	0.7	1.4
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.7	0.0	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.7	0.0	0.0	0.0	0.7
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)