

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: P1310389

Luminaire Tested: P3SQAS17R259040DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310389
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: P3SQAS17R259040DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

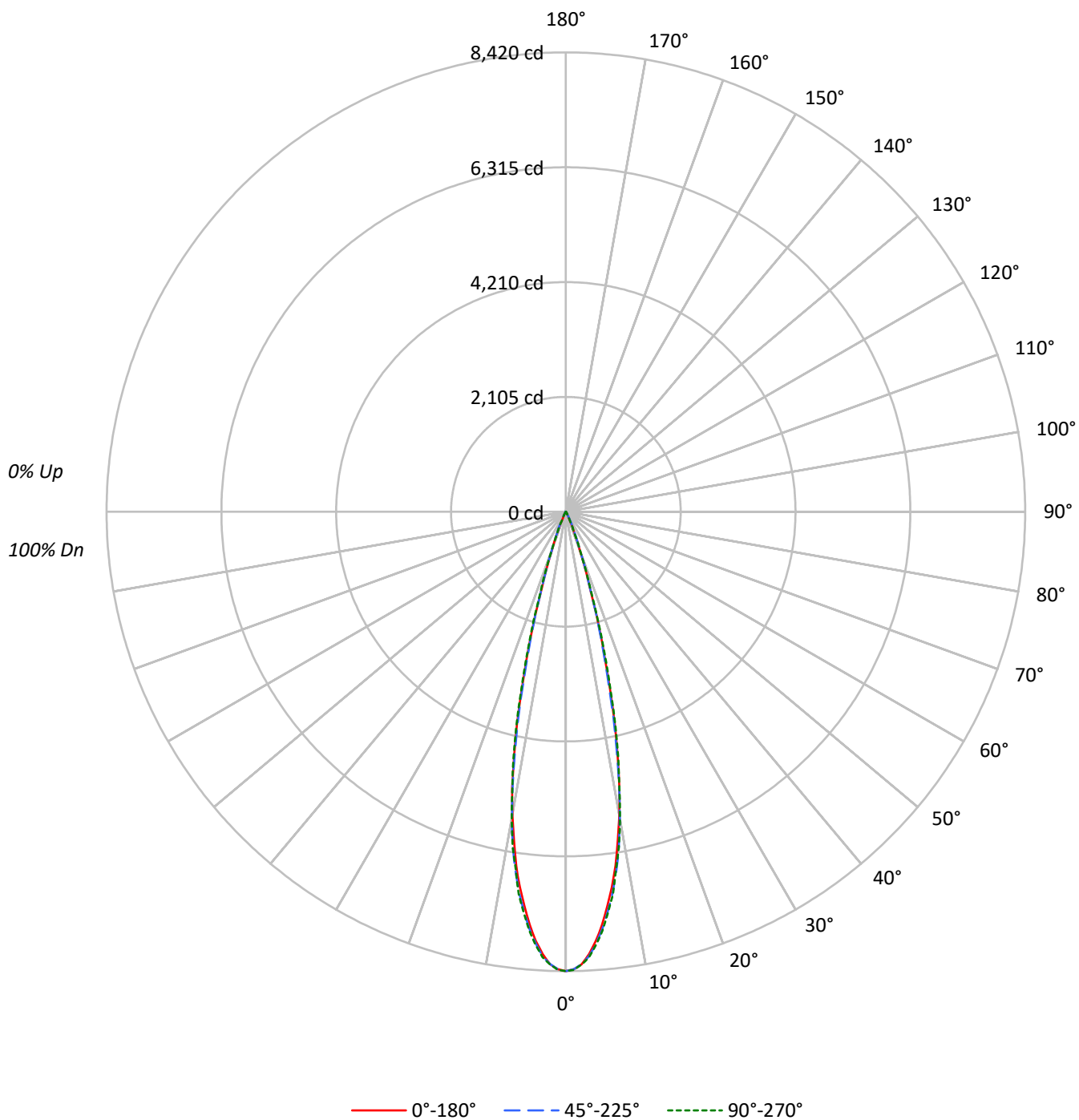
Lumens per Lamp: N/A
Luminaire Lumens: 1554.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	85	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°	1450184	1450184	1450184
5°	1314151	1326132	1332597
10°	987929	994942	999558
15°	489161	474594	506206
20°	138153	140426	141965
25°	23962	45283	28428
30°	9367	9645	9923
35°	2922	3196	3196
40°	944	1237	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.9	43.0
10°-20°	754.4	48.5
20°-30°	117.0	7.5
30°-40°	11.8	0.8
40°-50°	1.6	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°	1540.3	99.1
0°-40°	1552.1	99.9
0°-60°	1554.0	100.0
0°-90°	1554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8420	8420	8420	8420	8420	
5°	7602	7615	7671	7701	7708	663
15°	2744	2724	2662	2781	2839	751
25°	126	187	238	182	150	106
35°	14	15	15	17	15	11
45°	3	1	1	1	3	2
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°	8420.4	8420.4	8420.4	8420.4	8420.4
1°	8385.7	8396.8	8384.4	8398.2	8396.8
2°	8298.4	8309.5	8294.3	8302.6	8302.6
3°	8119.7	8143.3	8157.1	8166.8	8175.1
4°	7884.1	7910.5	7931.3	7956.2	7956.2
5°	7601.5	7615.3	7670.8	7701.2	7708.2
6°	7264.8	7320.2	7361.8	7422.7	7385.3
7°	6928.1	6973.8	7032.0	7041.7	7068.0
8°	6545.6	6594.1	6648.2	6638.5	6616.3
9°	6080.1	6150.7	6214.5	6193.7	6221.4
10°	5649.2	5692.1	5689.3	5668.6	5715.7
11°	5148.9	5158.6	5104.6	5189.1	5137.9
12°	4555.9	4564.2	4494.9	4578.1	4630.7
13°	3987.8	3968.4	3872.8	3982.3	4048.8
14°	3333.8	3340.7	3218.8	3430.8	3414.2
15°	2743.5	2724.1	2661.8	2780.9	2839.1
17.5°	1461.8	1474.3	1459.1	1518.6	1556.0
20°	753.8	774.6	766.2	791.2	774.6
22.5°	390.7	419.8	428.2	408.8	356.1
25°	126.1	187.1	238.3	181.5	149.6
27.5°	76.2	74.8	116.4	80.4	81.8
30°	47.1	45.7	48.5	48.5	49.9
32.5°	26.3	27.7	26.3	29.1	27.7
35°	13.9	15.2	15.2	16.6	15.2
37.5°	8.3	9.7	9.7	9.7	8.3
40°	4.2	5.5	5.5	4.2	4.2
42.5°	2.8	2.8	2.8	2.8	2.8
45°	2.8	1.4	1.4	1.4	2.8
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	1.4	0.0	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	1.4	0.0	0.0	0.0	1.4
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)