

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: P1312570

Luminaire Tested: P3SQAS17R259727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

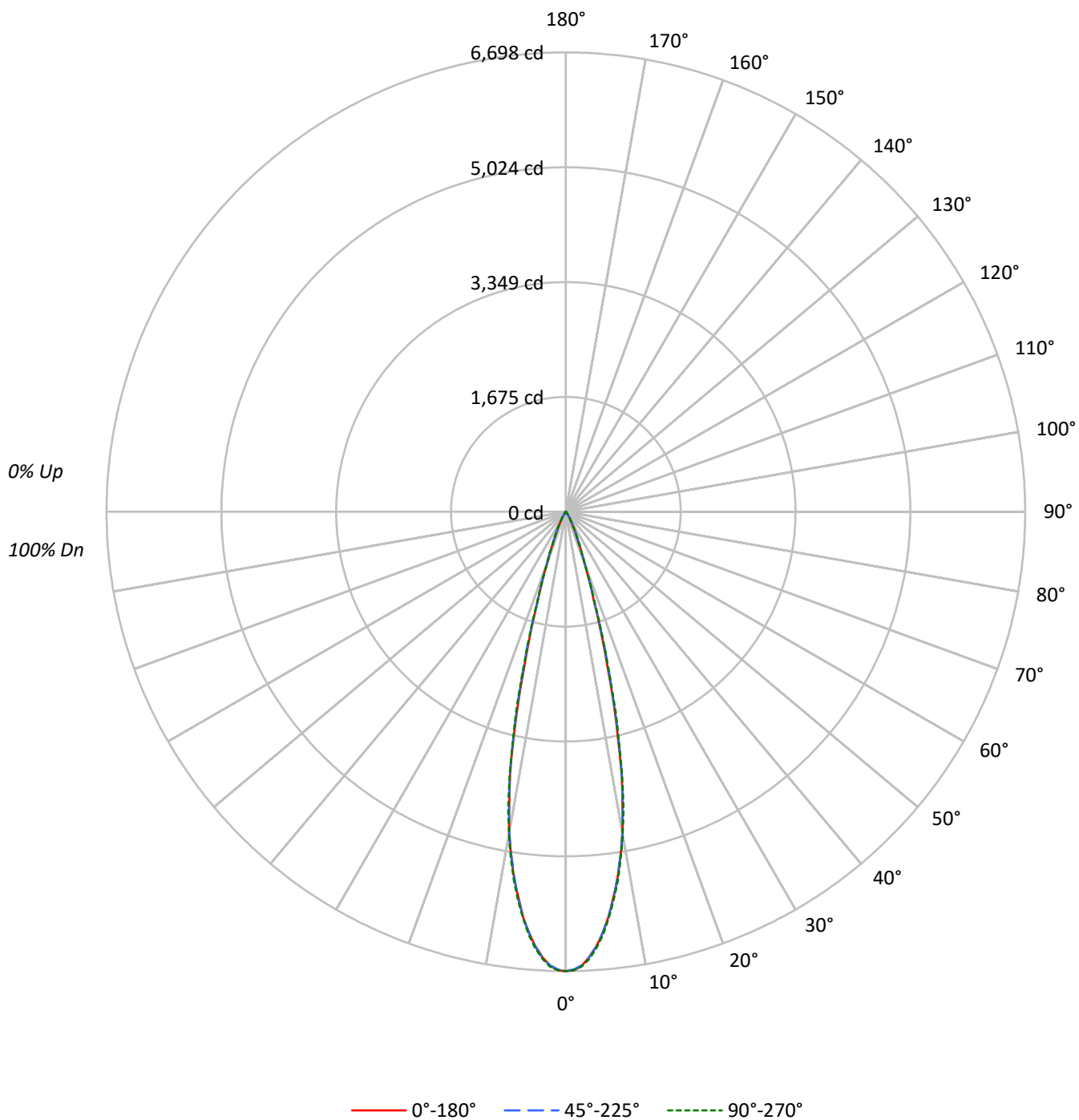
Lumens per Lamp: N/A
Luminaire Lumens: 1415.1 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1153564	1153564	1153564
5°	1065497	1065134	1071098
10°	832321	830048	835714
15°	418715	436206	435832
20°	143266	147225	144861
25°	57578	64742	60029
30°	23367	27881	22730
35°	6791	12236	6791
40°	3147	5328	3147
45°	1047	2095	1047
50°	589	857	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	1091	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	38.4
10°-20°	665.1	47.0
20°-30°	162.5	11.5
30°-40°	33.6	2.4
40°-50°	5.9	0.4
50°-60°	2.0	0.1
60°-70°	1.6	0.1
70°-80°	1.1	0.1
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°	1371.0	96.9
0°-40°	1404.6	99.3
0°-60°	1412.4	99.8
0°-90°	1415.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6698	6698	6698	6698	6698	
5°	6163	6169	6161	6174	6196	543
15°	2348	2388	2446	2457	2444	656
25°	303	317	341	321	316	155
35°	32	45	58	44	32	28
45°	4	6	9	6	4	4
55°	2	2	2	2	2	2
65°	1	2	1	1	1	1
75°	1	1	1	1	1	1
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°	6698.1	6698.1	6698.1	6698.1	6698.1
1°	6685.1	6676.5	6674.3	6675.4	6686.2
2°	6624.7	6619.3	6618.3	6621.5	6636.6
3°	6501.8	6508.3	6510.4	6521.2	6528.8
4°	6350.9	6363.8	6358.4	6371.3	6380.0
5°	6163.2	6168.6	6161.1	6174.0	6195.6
6°	5944.4	5925.0	5943.3	5948.7	5963.8
7°	5671.6	5675.9	5682.3	5688.8	5711.5
8°	5403.1	5390.1	5386.9	5417.1	5435.4
9°	5089.3	5091.5	5079.6	5114.1	5119.5
10°	4759.4	4732.4	4746.4	4773.4	4778.8
11°	4323.8	4316.2	4336.7	4378.8	4412.2
12°	3915.1	3919.4	3941.0	3955.0	3947.5
13°	3374.9	3407.3	3434.2	3448.2	3429.9
14°	2886.5	2886.5	2921.0	2926.4	2992.1
15°	2348.4	2388.3	2446.5	2457.3	2444.4
17.5°	1356.4	1361.8	1389.9	1388.8	1409.3
20°	781.7	789.3	803.3	800.1	790.4
22.5°	470.1	486.3	519.7	492.8	485.2
25°	303.0	317.0	340.7	321.3	315.9
27.5°	189.8	199.5	217.8	200.6	191.9
30°	117.5	122.9	140.2	124.0	114.3
32.5°	63.6	77.6	91.7	77.6	63.6
35°	32.3	45.3	58.2	44.2	32.3
37.5°	21.6	25.9	37.7	24.8	21.6
40°	14.0	17.3	23.7	17.3	14.0
42.5°	7.5	10.8	12.9	11.9	7.5
45°	4.3	6.5	8.6	6.5	4.3
47.5°	3.2	3.2	5.4	3.2	2.2
50°	2.2	2.2	3.2	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	2.2	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	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)