

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: P1312224

Luminaire Tested: P3SQAS09R159727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

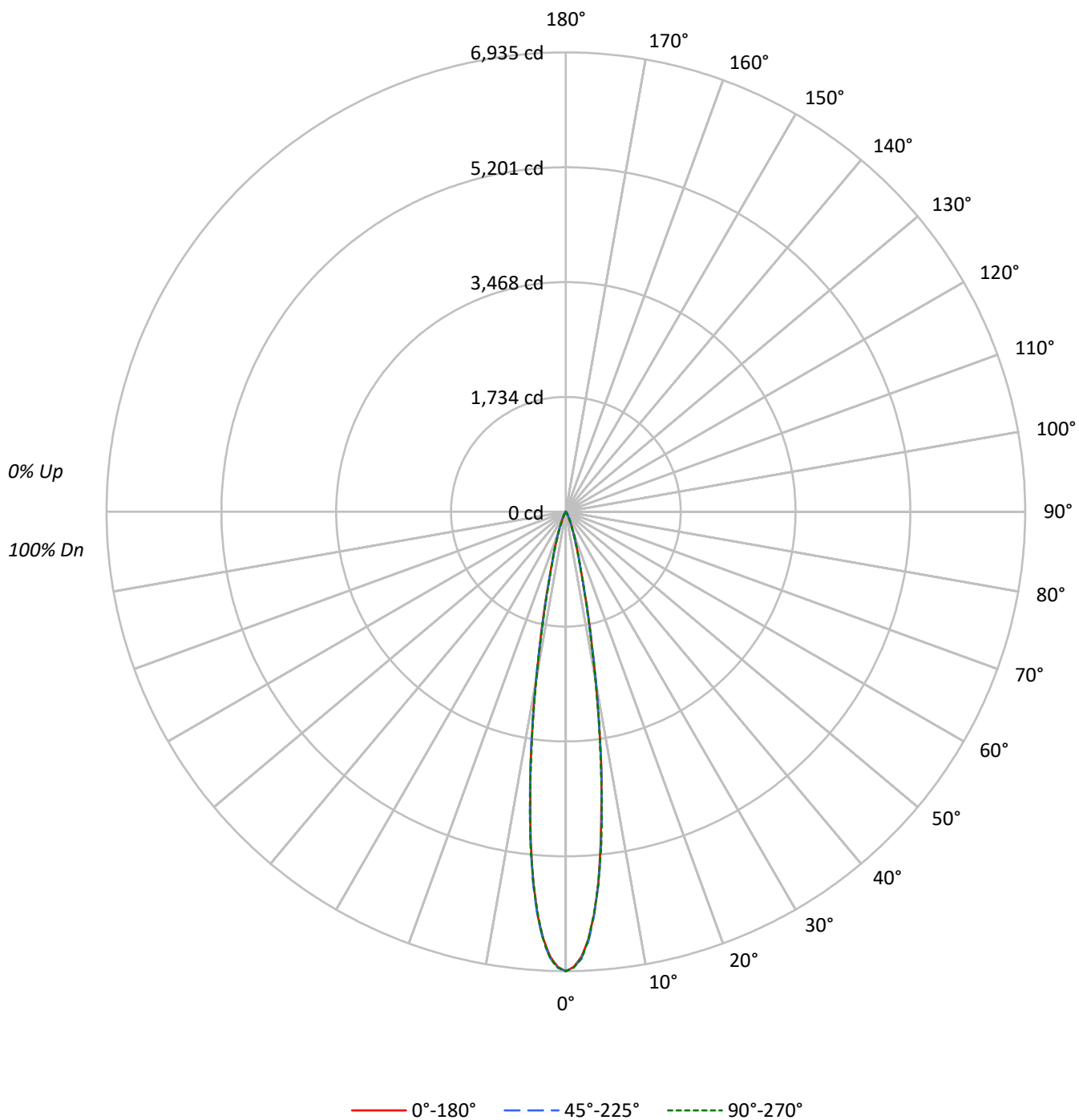
Lumens per Lamp: N/A
Luminaire Lumens: 774.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1194364	1194364	1194364
5°	972436	975617	973698
10°	453620	457695	451906
15°	142442	143655	142781
20°	56431	58685	54634
25°	22803	27573	21986
30°	9128	12548	8651
35°	2712	5529	2565
40°	832	2068	697
45°	146	438	146
50°	0	161	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.2	56.1
10°-20°	259.7	33.6
20°-30°	65.5	8.5
30°-40°	13.4	1.7
40°-50°	1.2	0.2
50°-60°	0.0	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°	759.4	98.1
0°-40°	772.7	99.8
0°-60°	774.0	100.0
0°-90°	774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6935	6935	6935	6935	6935	
5°	5625	5614	5643	5629	5632	433
15°	799	806	806	794	801	260
25°	120	131	145	129	116	62
35°	13	17	26	16	12	11
45°	1	1	2	1	1	1
55°	0	0	0	0	0	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°	6935.0	6935.0	6935.0	6935.0	6935.0
1°	6872.6	6895.8	6883.6	6893.4	6882.4
2°	6723.8	6755.0	6745.2	6742.2	6750.7
3°	6461.8	6497.9	6496.7	6487.5	6472.8
4°	6104.3	6089.6	6112.2	6109.8	6084.7
5°	5624.9	5614.5	5643.3	5629.2	5632.2
6°	5038.4	5083.7	5073.9	5075.1	5086.8
7°	4408.5	4432.9	4453.8	4470.9	4447.0
8°	3829.9	3823.8	3825.6	3845.2	3779.1
9°	3182.2	3220.2	3195.7	3156.5	3181.6
10°	2593.9	2617.2	2617.2	2582.9	2584.1
11°	2068.0	2087.0	2073.5	2082.1	2028.2
12°	1667.0	1619.9	1608.9	1617.4	1616.8
13°	1272.8	1275.8	1272.8	1272.2	1266.0
14°	997.9	1013.8	1007.1	990.5	983.2
15°	798.9	805.7	805.7	794.0	800.8
17.5°	480.0	487.9	489.8	481.8	481.8
20°	307.9	311.6	320.2	308.5	298.1
22.5°	189.8	197.7	212.4	195.3	186.7
25°	120.0	131.0	145.1	128.6	115.7
27.5°	75.3	84.5	96.7	80.8	72.9
30°	45.9	52.0	63.1	50.8	43.5
32.5°	25.7	30.6	39.8	29.4	24.5
35°	12.9	17.1	26.3	16.5	12.2
37.5°	7.3	9.2	16.5	8.0	6.7
40°	3.7	4.9	9.2	4.9	3.1
42.5°	1.2	2.4	3.7	2.4	1.2
45°	0.6	1.2	1.8	1.2	0.6
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)