

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: P1312225

Luminaire Tested: P3SQAS09R159727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

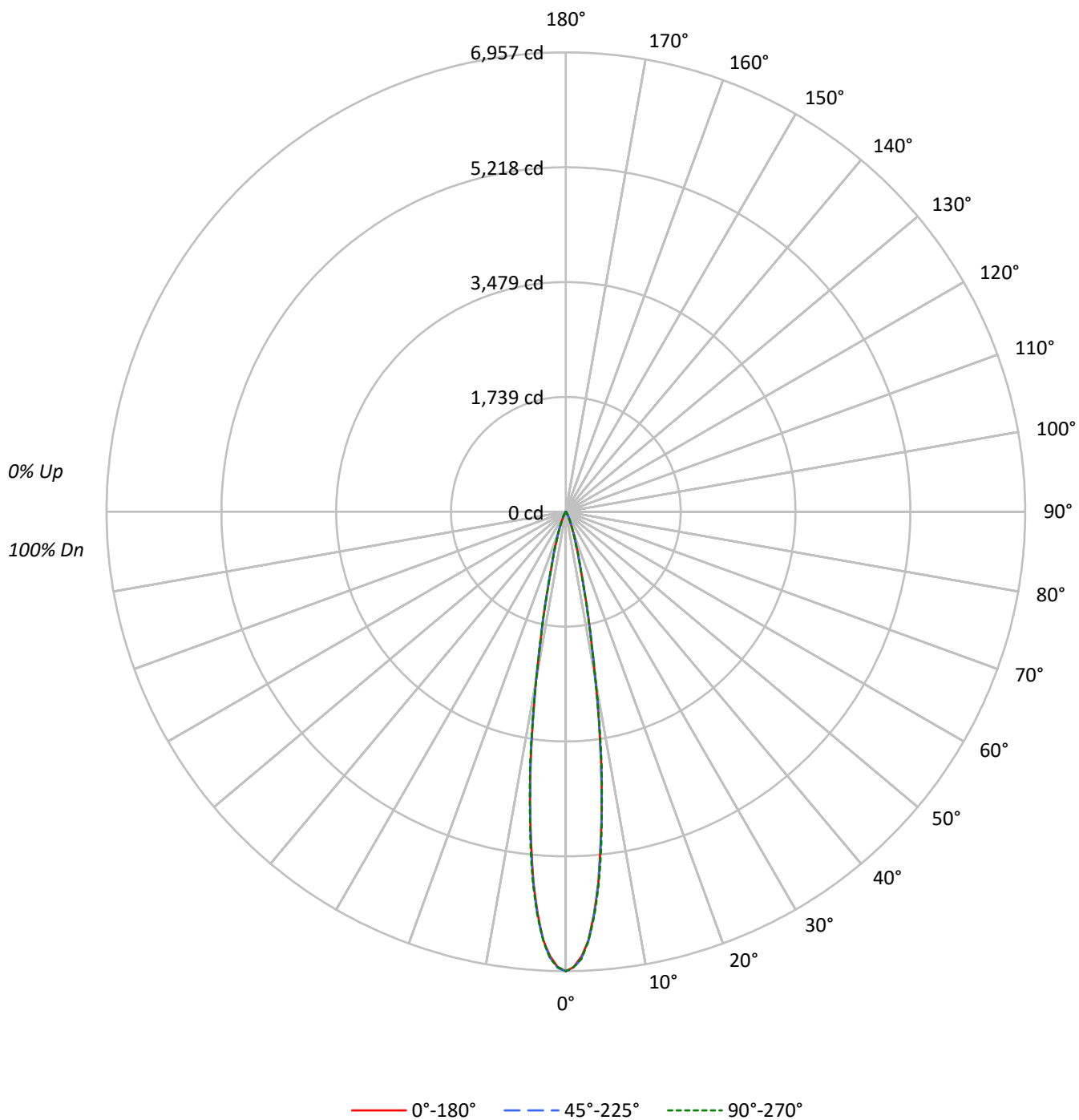
Lumens per Lamp: N/A
Luminaire Lumens: 780.9 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312225

CATALOG NUMBER: P3SQAS09R159727DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312225

CATALOG NUMBER: P3SQAS09R159727DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1198153	1198153	1198153
5°	974268	977657	981045
10°	453725	454162	451696
15°	140392	145420	142674
20°	55972	59125	55294
25°	23430	27611	22252
30°	9506	12688	8790
35°	3091	5803	2838
40°	1102	2338	1102
45°	438	755	438
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm

TEST NUMBER: P1312225

CATALOG NUMBER: P3SQAS09R159727DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.5	55.8
10°-20°	260.4	33.3
20°-30°	66.3	8.5
30°-40°	14.4	1.8
40°-50°	2.3	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.4	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°	762.1	97.6
0°-40°	776.5	99.4
0°-60°	779.9	99.9
0°-90°	780.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6957	6957	6957	6957	6957	
5°	5636	5643	5655	5629	5675	435
15°	787	809	816	804	800	259
25°	123	132	145	129	117	63
35°	15	19	28	18	14	12
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312225

CATALOG NUMBER: P3SQAS09R159727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6957.0	6957.0	6957.0	6957.0	6957.0
1°	6896.2	6907.9	6909.7	6907.9	6898.1
2°	6741.1	6775.4	6768.1	6753.4	6774.2
3°	6501.3	6518.5	6516.1	6517.3	6512.4
4°	6111.3	6141.4	6124.2	6137.1	6138.3
5°	5635.5	5643.4	5655.1	5629.3	5674.7
6°	5049.8	5100.7	5056.0	5100.1	5117.9
7°	4454.4	4483.8	4426.8	4457.5	4475.9
8°	3845.5	3794.0	3825.3	3825.9	3886.6
9°	3188.1	3198.5	3224.9	3194.9	3221.2
10°	2594.5	2618.4	2597.0	2586.6	2582.9
11°	2048.8	2075.7	2073.9	2077.0	2056.7
12°	1648.3	1634.2	1643.4	1613.4	1626.9
13°	1282.9	1283.5	1276.1	1263.8	1252.8
14°	1005.1	998.9	1016.1	1000.8	986.7
15°	787.4	809.4	815.6	803.9	800.2
17.5°	485.7	486.3	494.9	483.8	482.6
20°	305.4	312.7	322.6	310.9	301.7
22.5°	193.2	199.9	215.2	200.5	187.6
25°	123.3	131.8	145.3	128.8	117.1
27.5°	77.3	85.2	98.1	82.8	74.2
30°	47.8	53.3	63.8	52.1	44.2
32.5°	27.6	33.1	41.7	31.3	26.4
35°	14.7	19.0	27.6	18.4	13.5
37.5°	8.6	11.0	17.8	9.8	8.0
40°	4.9	6.7	10.4	6.1	4.9
42.5°	3.1	4.3	4.9	3.7	2.5
45°	1.8	2.5	3.1	2.5	1.8
47.5°	1.2	1.8	2.5	1.2	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
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



TEST NUMBER: P1312225

CATALOG NUMBER: P3SQAS09R159727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)