

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: P1317510

Luminaire Tested: P3SQAS02R159835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317510
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: P3SQAS02R159835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

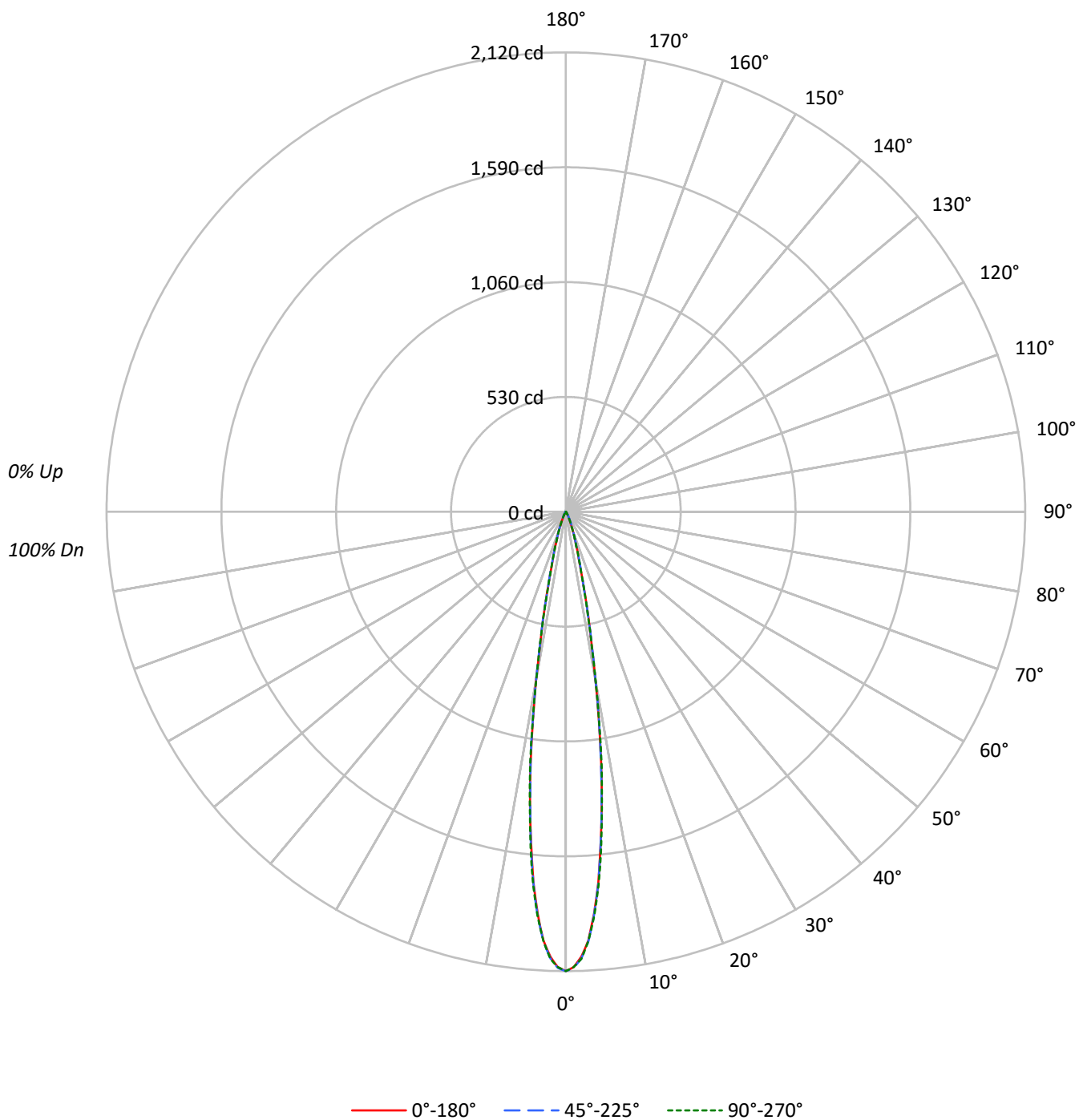
Lumens per Lamp: N/A
Luminaire Lumens: 238.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1317510

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317510

CATALOG NUMBER: P3SQAS02R159835DE010 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	88	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	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°	365112	365112	365112
5°	296888	297925	298962
10°	138260	138400	137648
15°	42774	44307	43487
20°	17063	18016	16843
25°	7145	8418	6784
30°	2903	3858	2685
35°	946	1766	862
40°	337	719	337
45°	146	219	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 219 cd/sqm

TEST NUMBER: P1317510

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	55.7
10°-20°	79.3	33.3
20°-30°	20.2	8.5
30°-40°	4.4	1.8
40°-50°	0.7	0.3
50°-60°	0.4	0.2
60°-70°	0.2	0.1
70°-80°	0.1	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°	232.2	97.6
0°-40°	236.6	99.4
0°-60°	237.7	99.9
0°-90°	238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	238.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2120	2120	2120	2120	2120	
5°	1717	1720	1723	1716	1729	132
15°	240	247	248	245	244	79
25°	38	40	44	39	36	19
35°	4	6	8	6	4	4
45°	1	1	1	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	

TEST NUMBER: P1317510

CATALOG NUMBER: P3SQAS02R159835DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2120.0	2120.0	2120.0	2120.0	2120.0
1°	2101.5	2105.1	2105.7	2105.1	2102.1
2°	2054.3	2064.7	2062.5	2058.0	2064.4
3°	1981.2	1986.4	1985.7	1986.1	1984.6
4°	1862.4	1871.5	1866.3	1870.2	1870.6
5°	1717.3	1719.8	1723.3	1715.5	1729.3
6°	1538.9	1554.4	1540.7	1554.2	1559.6
7°	1357.4	1366.4	1349.0	1358.4	1364.0
8°	1171.9	1156.2	1165.7	1165.9	1184.4
9°	971.5	974.7	982.8	973.6	981.6
10°	790.6	797.9	791.4	788.2	787.1
11°	624.3	632.6	632.0	632.9	626.8
12°	502.3	498.0	500.8	491.7	495.8
13°	390.9	391.1	388.9	385.1	381.8
14°	306.3	304.4	309.6	305.0	300.7
15°	239.9	246.7	248.5	245.0	243.9
17.5°	148.0	148.2	150.8	147.4	147.1
20°	93.1	95.3	98.3	94.7	91.9
22.5°	58.9	60.9	65.6	61.1	57.2
25°	37.6	40.2	44.3	39.2	35.7
27.5°	23.5	26.0	29.9	25.2	22.6
30°	14.6	16.3	19.4	15.9	13.5
32.5°	8.4	10.1	12.7	9.5	8.0
35°	4.5	5.8	8.4	5.6	4.1
37.5°	2.6	3.4	5.4	3.0	2.4
40°	1.5	2.1	3.2	1.9	1.5
42.5°	0.9	1.3	1.5	1.1	0.7
45°	0.6	0.7	0.9	0.7	0.6
47.5°	0.4	0.6	0.7	0.4	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
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: P1317510

CATALOG NUMBER: P3SQAS02R159835DE010 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)