

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: P1305379

Luminaire Tested: P3SQAS02R159024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305379
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: P3SQAS02R159024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

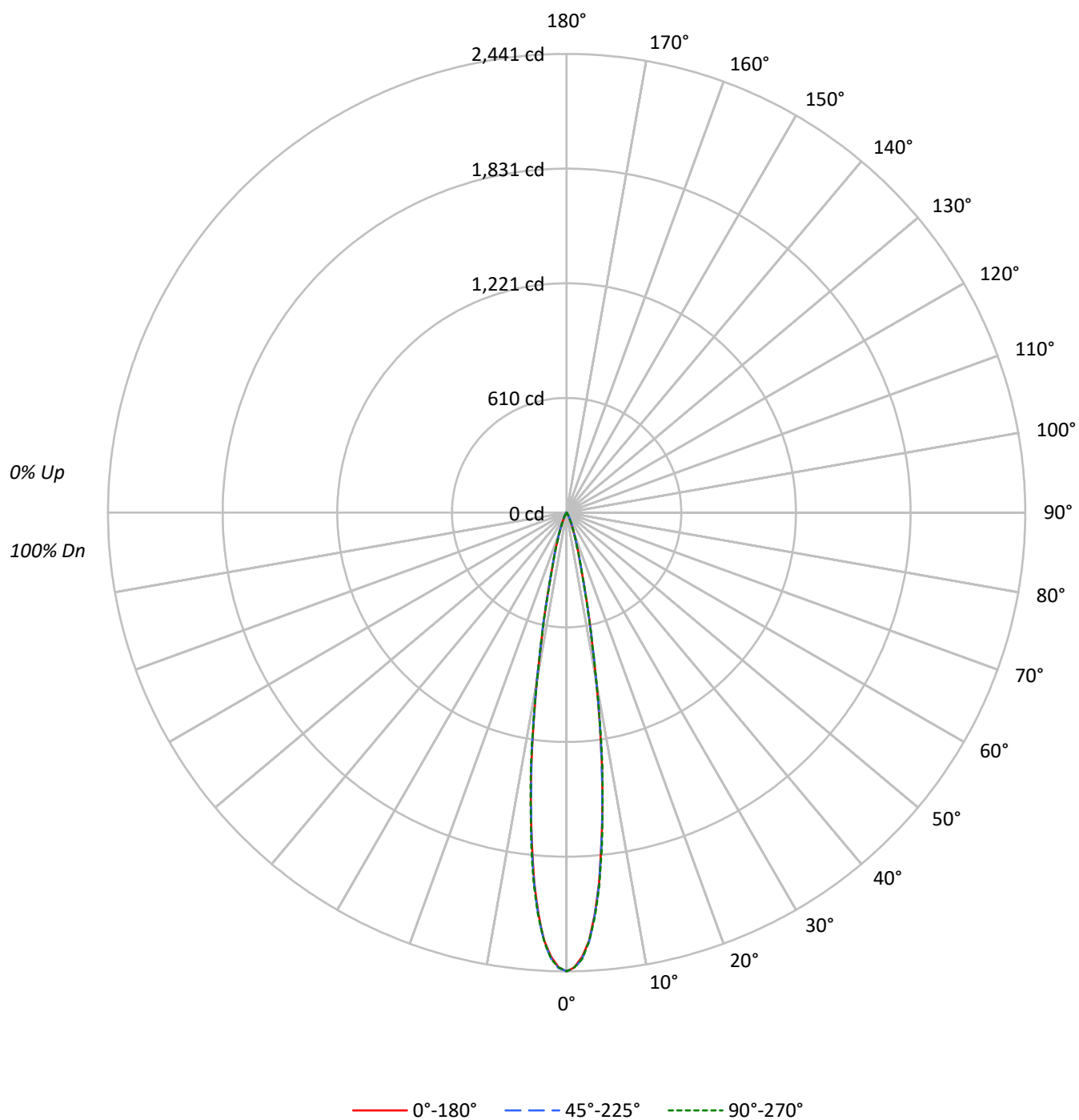
Lumens per Lamp: N/A
Luminaire Lumens: 273.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305379

CATALOG NUMBER: P3SQAS02R159024DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305379

CATALOG NUMBER: P3SQAS02R159024DE010 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	93	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°	420344	420344	420344
5°	341802	342995	344188
10°	159175	159333	158476
15°	49246	51011	50066
20°	19629	20747	19391
25°	8209	9691	7810
30°	3341	4455	3082
35°	1093	2039	988
40°	382	832	382
45°	146	268	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: 268 cd/sqm

TEST NUMBER: P1305379

CATALOG NUMBER: P3SQAS02R159024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	55.8
10°-20°	91.3	33.3
20°-30°	23.2	8.5
30°-40°	5.1	1.8
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	267.4	97.6
0°-40°	272.4	99.4
0°-60°	273.6	99.9
0°-90°	273.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	273.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2441	2441	2441	2441	2441	
5°	1977	1980	1984	1975	1991	152
15°	276	284	286	282	281	91
25°	43	46	51	45	41	22
35°	5	7	10	6	5	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: P1305379

CATALOG NUMBER: P3SQAS02R159024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2440.7	2440.7	2440.7	2440.7	2440.7
1°	2419.4	2423.5	2424.2	2423.5	2420.1
2°	2365.0	2377.0	2374.5	2369.3	2376.6
3°	2280.9	2286.9	2286.0	2286.5	2284.7
4°	2144.1	2154.6	2148.6	2153.1	2153.5
5°	1977.1	1979.9	1984.0	1975.0	1990.9
6°	1771.6	1789.5	1773.8	1789.3	1795.5
7°	1562.8	1573.1	1553.1	1563.8	1570.3
8°	1349.1	1331.0	1342.0	1342.2	1363.5
9°	1118.5	1122.2	1131.4	1120.9	1130.1
10°	910.2	918.6	911.1	907.4	906.2
11°	718.8	728.2	727.6	728.7	721.6
12°	578.3	573.3	576.6	566.0	570.8
13°	450.1	450.3	447.7	443.4	439.5
14°	352.6	350.5	356.5	351.1	346.2
15°	276.2	284.0	286.1	282.0	280.8
17.5°	170.4	170.6	173.6	169.7	169.3
20°	107.1	109.7	113.2	109.1	105.8
22.5°	67.8	70.1	75.5	70.3	65.8
25°	43.2	46.3	51.0	45.2	41.1
27.5°	27.1	29.9	34.4	29.0	26.0
30°	16.8	18.7	22.4	18.3	15.5
32.5°	9.7	11.6	14.6	11.0	9.3
35°	5.2	6.7	9.7	6.5	4.7
37.5°	3.0	3.9	6.2	3.4	2.8
40°	1.7	2.4	3.7	2.2	1.7
42.5°	1.1	1.5	1.7	1.3	0.9
45°	0.6	0.9	1.1	0.9	0.6
47.5°	0.4	0.6	0.9	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: P1305379

CATALOG NUMBER: P3SQAS02R159024DE010 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)