

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: P1311990

Luminaire Tested: P3SQAS02R459727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R459727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

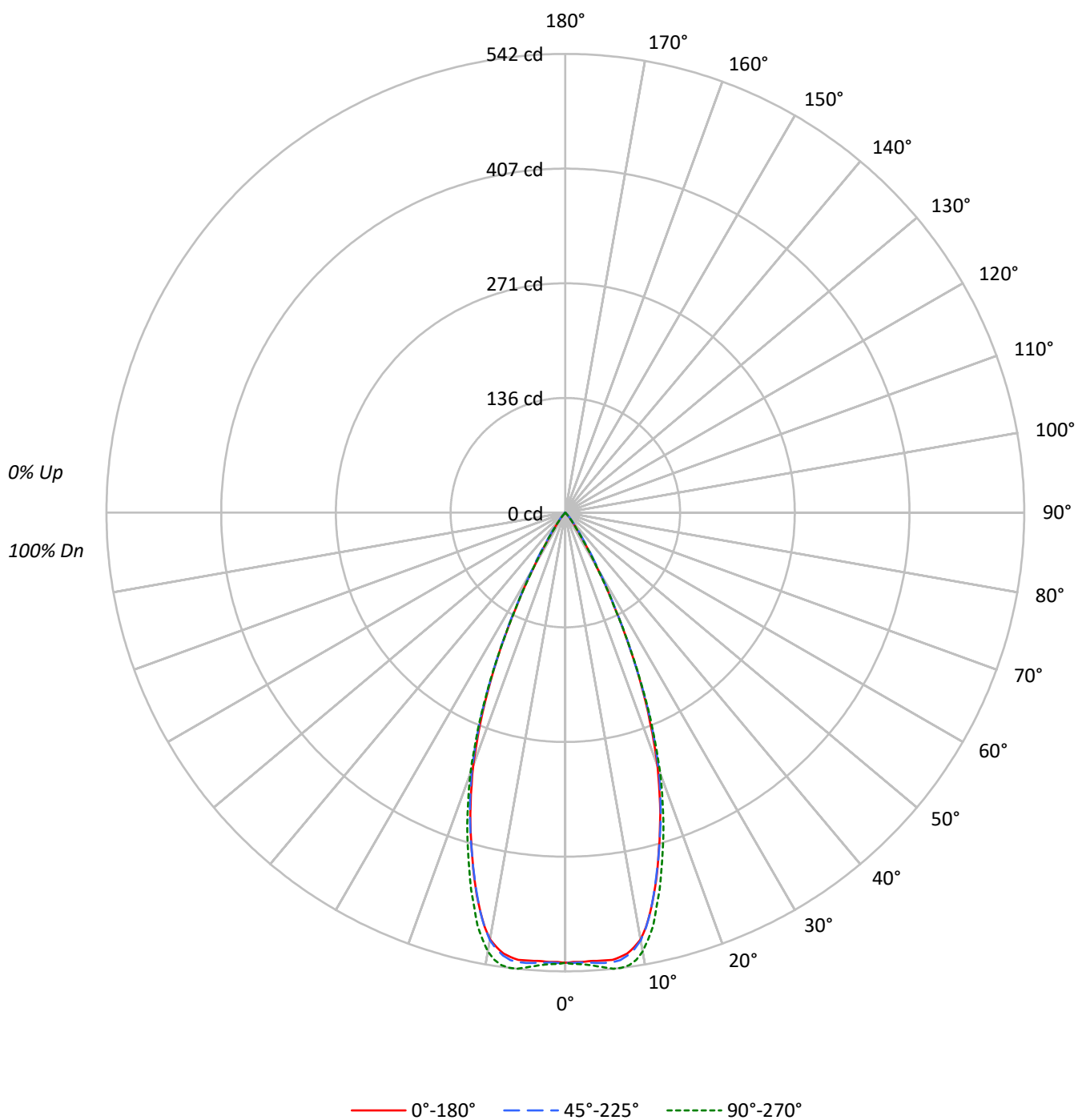
Lumens per Lamp: N/A
Luminaire Lumens: 275.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311990

CATALOG NUMBER: P3SQAS02R459727DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1311990

CATALOG NUMBER: P3SQAS02R459727DE010 E3SQCD1MMS

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	91605	91605	91605
5°	91817	92335	93269
10°	89521	89696	92057
15°	75527	75563	78041
20°	58300	59125	60096
25°	36162	36200	36428
30°	14915	15850	14676
35°	4646	5677	4478
40°	1416	1978	1326
45°	97	755	97
50°	0	107	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: 755 cd/sqm

TEST NUMBER: P1311990

CATALOG NUMBER: P3SQAS02R459727DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	18.4
10°-20°	117.7	42.8
20°-30°	86.3	31.4
30°-40°	18.6	6.7
40°-50°	1.8	0.6
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°	254.7	92.6
0°-40°	273.2	99.4
0°-60°	275.0	100.0
0°-90°	275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	532	532	532	532	532	
5°	531	532	534	538	540	50
15°	424	423	424	430	438	117
25°	190	190	190	190	192	85
35°	22	24	27	23	21	17
45°	0	1	3	1	0	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: P1311990

CATALOG NUMBER: P3SQAS02R459727DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	531.9	531.9	531.9	531.9	531.9
1°	530.9	532.1	532.1	532.9	533.3
2°	531.3	532.1	531.9	533.3	533.9
3°	530.7	532.1	532.5	534.1	535.2
4°	530.9	532.1	533.3	535.8	537.2
5°	531.1	532.5	534.1	537.8	539.5
6°	531.3	532.3	534.1	538.8	541.9
7°	529.2	530.7	532.7	538.6	541.9
8°	526.0	526.8	528.4	536.2	540.1
9°	519.8	519.6	522.1	530.7	535.2
10°	511.9	509.4	512.9	521.5	526.4
11°	499.0	496.3	499.4	508.6	513.3
12°	482.2	482.2	482.8	491.0	499.2
13°	464.4	462.4	463.6	472.8	478.5
14°	444.8	442.8	444.0	450.9	459.9
15°	423.6	422.7	423.8	430.5	437.7
17.5°	373.1	371.2	374.9	381.7	385.3
20°	318.1	321.1	322.6	326.9	327.9
22.5°	254.9	258.2	260.2	260.8	261.5
25°	190.3	189.7	190.5	190.5	191.7
27.5°	125.1	125.1	127.4	125.9	124.5
30°	75.0	78.1	79.7	77.1	73.8
32.5°	40.9	44.0	46.6	42.7	39.9
35°	22.1	23.7	27.0	23.1	21.3
37.5°	12.1	13.5	15.5	13.1	12.1
40°	6.3	7.8	8.8	7.8	5.9
42.5°	2.0	3.9	5.1	3.9	1.8
45°	0.4	1.2	3.1	1.2	0.4
47.5°	0.0	0.2	1.4	0.2	0.0
50°	0.0	0.0	0.4	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



TEST NUMBER: P1311990

CATALOG NUMBER: P3SQAS02R459727DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)