

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: P1312962

Luminaire Tested: P3SQAS02R459730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312962
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: P3SQAS02R459730DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

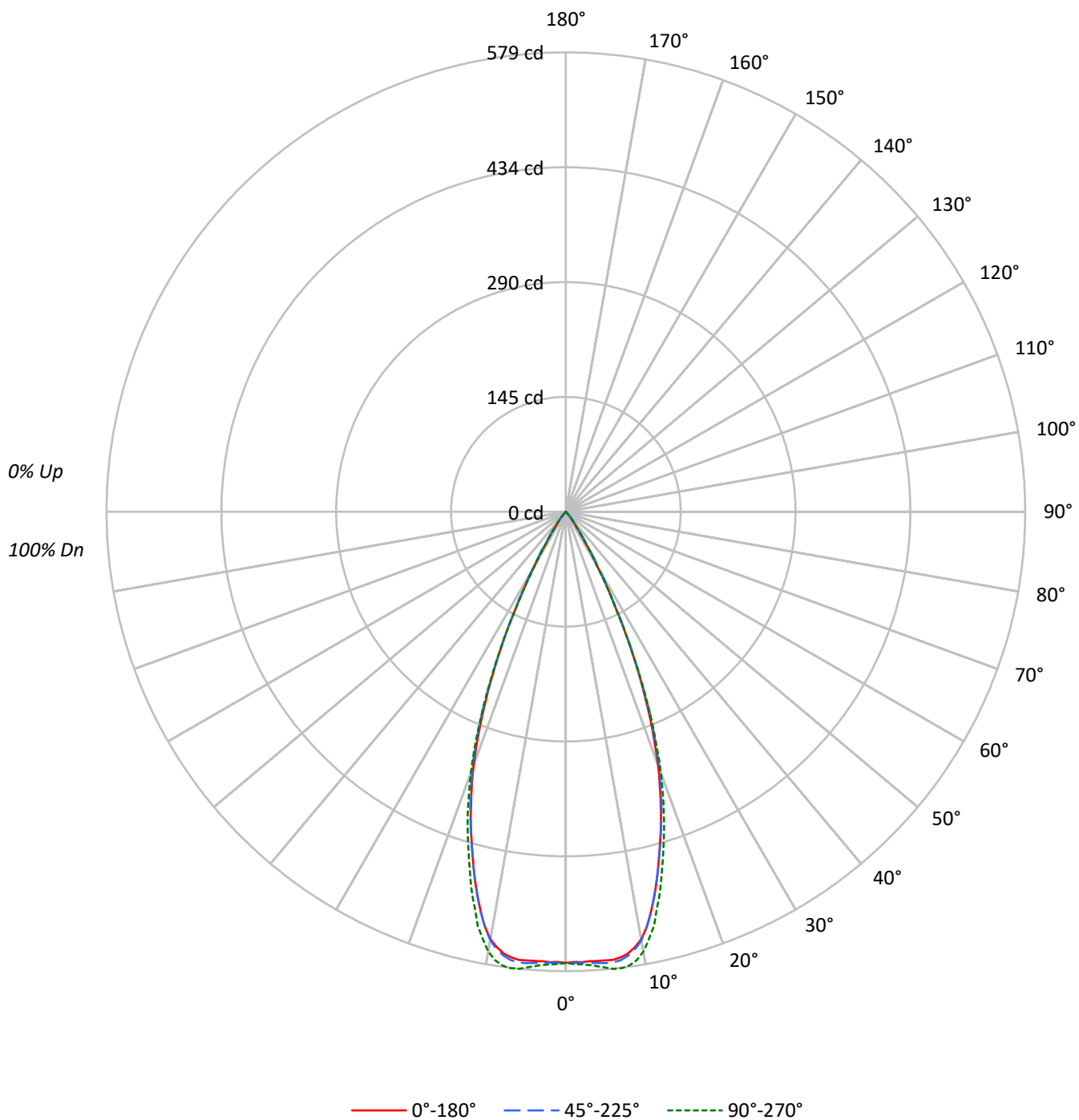
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312962

CATALOG NUMBER: P3SQAS02R459730DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312962

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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
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°	97926	97926	97926
5°	98162	98732	99700
10°	95694	95886	98405
15°	80733	80769	83426
20°	62332	63212	64238
25°	38670	38708	38955
30°	15949	16943	15690
35°	4962	6055	4773
40°	1529	2113	1416
45°	97	804	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: 804 cd/sqm

TEST NUMBER: P1312962

CATALOG NUMBER: P3SQAS02R459730DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	18.4
10°-20°	125.8	42.8
20°-30°	92.3	31.4
30°-40°	19.8	6.7
40°-50°	1.9	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°	272.3	92.6
0°-40°	292.1	99.4
0°-60°	294.0	100.0
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	569	569	569	569	569	
5°	568	569	571	575	577	54
15°	453	452	453	460	468	125
25°	204	203	204	204	205	91
35°	24	25	29	25	23	19
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: P1312962

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	568.6	568.6	568.6	568.6	568.6
1°	567.6	568.9	568.9	569.7	570.2
2°	568.0	568.9	568.6	570.2	570.8
3°	567.3	568.9	569.3	571.1	572.1
4°	567.6	568.9	570.2	572.8	574.3
5°	567.8	569.3	571.1	575.0	576.7
6°	568.0	569.1	571.1	576.1	579.4
7°	565.8	567.3	569.5	575.9	579.4
8°	562.3	563.2	564.9	573.2	577.4
9°	555.8	555.5	558.2	567.3	572.1
10°	547.2	544.6	548.3	557.5	562.7
11°	533.5	530.6	533.9	543.7	548.8
12°	515.5	515.5	516.2	524.9	533.7
13°	496.5	494.3	495.7	505.5	511.6
14°	475.5	473.4	474.7	482.1	491.7
15°	452.8	451.9	453.0	460.3	467.9
17.5°	398.8	396.9	400.8	408.0	412.0
20°	340.1	343.3	344.9	349.4	350.5
22.5°	272.5	276.0	278.2	278.9	279.5
25°	203.5	202.8	203.7	203.7	205.0
27.5°	133.7	133.7	136.2	134.6	133.1
30°	80.2	83.5	85.2	82.4	78.9
32.5°	43.7	47.0	49.8	45.7	42.6
35°	23.6	25.4	28.8	24.7	22.7
37.5°	12.9	14.4	16.6	14.0	12.9
40°	6.8	8.3	9.4	8.3	6.3
42.5°	2.2	4.2	5.5	4.2	2.0
45°	0.4	1.3	3.3	1.3	0.4
47.5°	0.0	0.2	1.5	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: P1312962

CATALOG NUMBER: P3SQAS02R459730DE010 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)