

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: P1309812

Luminaire Tested: P3SQAS02R559040DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559040DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

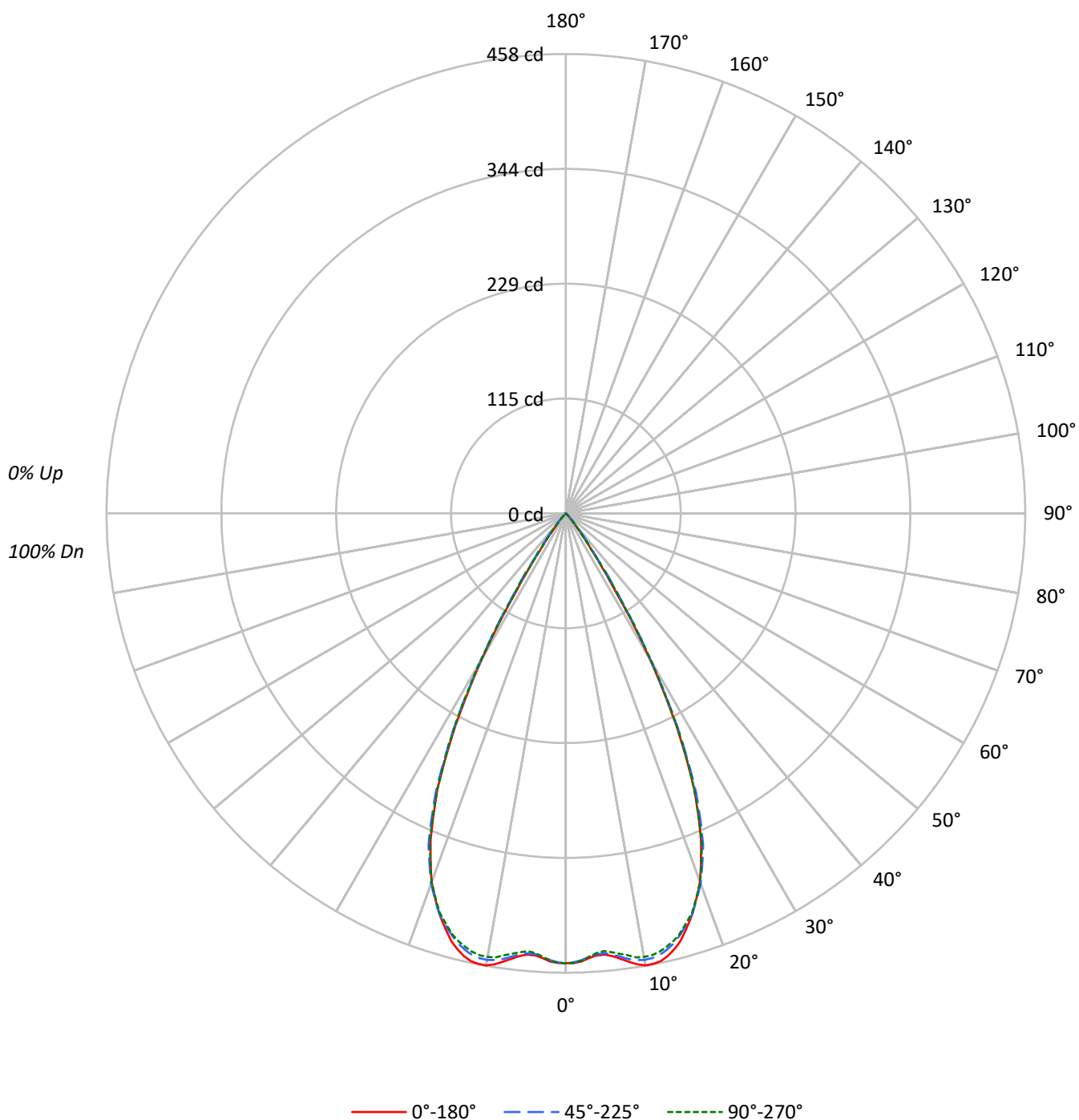
Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309812

CATALOG NUMBER: P3SQAS02R559040DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309812

CATALOG NUMBER: P3SQAS02R559040DE010 E3SQCD1MB

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	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77242	77242	77242
5°	76361	76137	75739
10°	80042	79080	78538
15°	78719	77863	77595
20°	71697	71991	71752
25°	57521	58414	57521
30°	33012	33847	34105
35°	9419	11332	9692
40°	2406	3462	2473
45°	244	1218	195
50°	0	214	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: 1218 cd/sqm

TEST NUMBER: P1309812

CATALOG NUMBER: P3SQAS02R559040DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	12.5
10°-20°	121.5	35.6
20°-30°	133.9	39.3
30°-40°	40.0	11.7
40°-50°	3.1	0.9
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°	298.0	87.4
0°-40°	337.9	99.1
0°-60°	341.0	100.0
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	442	441	440	439	438	43
15°	442	438	437	435	435	122
25°	303	303	307	307	303	133
35°	45	48	54	49	46	37
45°	1	3	5	3	1	2
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: P1309812

CATALOG NUMBER: P3SQAS02R559040DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	448.5	448.5	448.5	448.5	448.5
1°	448.3	448.3	447.7	447.5	448.3
2°	447.0	447.0	445.7	445.4	446.2
3°	444.1	443.8	442.8	442.0	442.5
4°	441.7	441.2	440.4	439.1	439.4
5°	441.7	440.9	440.4	438.6	438.1
6°	443.8	443.3	442.2	440.4	439.9
7°	447.5	446.4	445.4	443.0	442.5
8°	451.4	450.6	448.5	446.2	445.1
9°	455.3	453.5	450.9	448.5	448.3
10°	457.7	455.1	452.2	449.3	449.1
11°	457.4	455.1	451.7	449.1	448.8
12°	456.4	453.0	450.1	447.0	447.2
13°	452.7	449.6	446.7	444.3	443.8
14°	447.7	444.9	442.2	439.9	440.2
15°	441.5	438.3	436.7	434.9	435.2
17.5°	419.2	418.4	419.2	417.1	417.9
20°	391.2	390.4	392.8	391.7	391.5
22.5°	352.2	353.2	357.7	356.4	354.0
25°	302.7	302.7	307.4	306.9	302.7
27.5°	238.3	240.1	243.0	244.3	241.2
30°	166.0	170.2	170.2	172.8	171.5
32.5°	92.7	101.6	103.7	105.0	99.8
35°	44.8	47.7	53.9	49.2	46.1
37.5°	21.5	22.8	29.1	23.6	22.0
40°	10.7	12.3	15.4	12.8	11.0
42.5°	4.5	6.5	8.1	6.5	4.5
45°	1.0	2.6	5.0	2.6	0.8
47.5°	0.0	0.3	2.4	0.5	0.0
50°	0.0	0.0	0.8	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: P1309812

CATALOG NUMBER: P3SQAS02R559040DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)