

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: P1305412

Luminaire Tested: P3SQAS02R259024DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259024DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

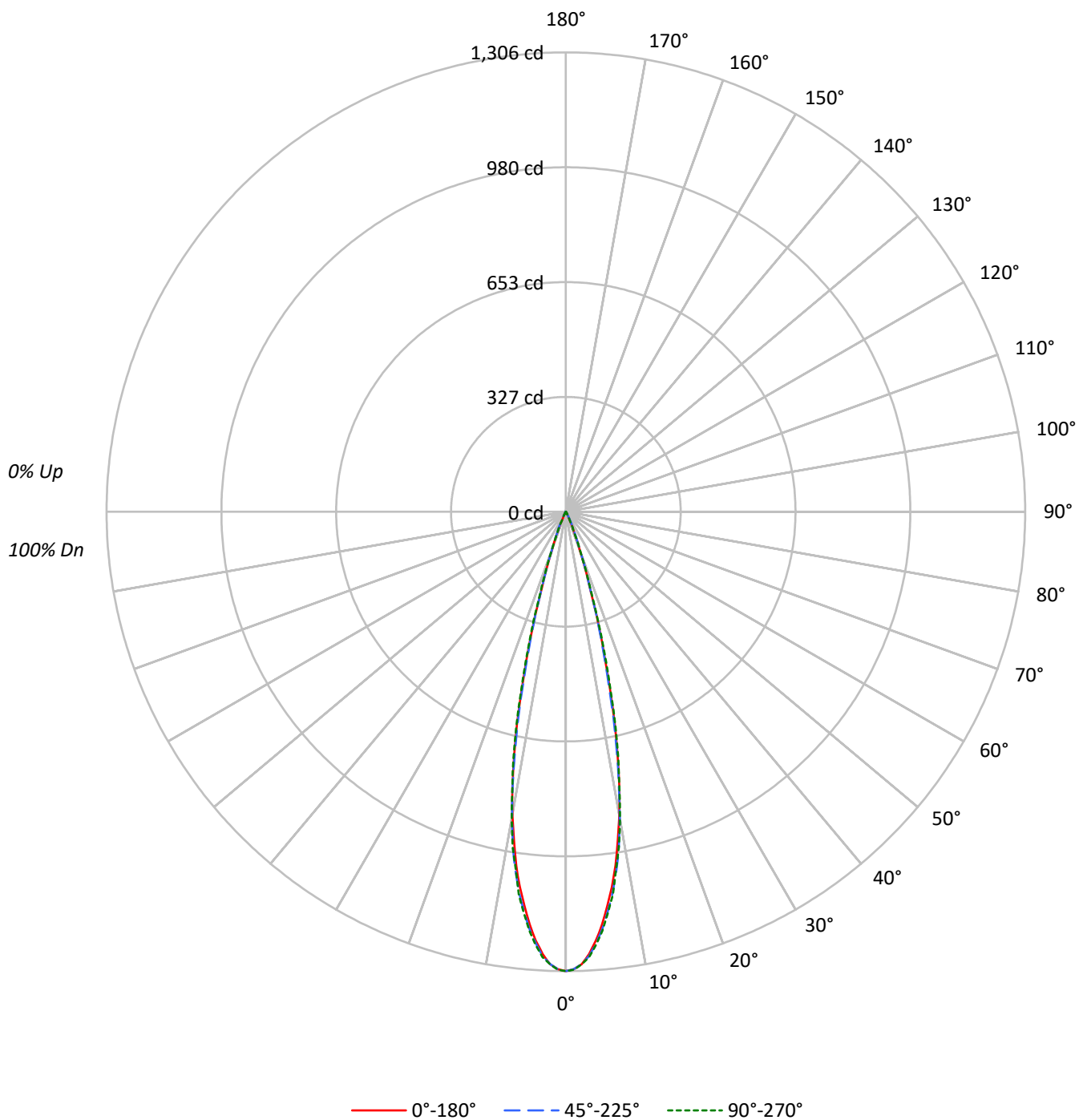
Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305412

CATALOG NUMBER: P3SQAS02R259024DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1305412

CATALOG NUMBER: P3SQAS02R259024DE010 E3SQPH1MMS

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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	224906	224906	224906
5°	203809	205659	206661
10°	153212	154296	155013
15°	75866	73601	78505
20°	21425	21773	22011
25°	3725	7031	4409
30°	1452	1491	1531
35°	442	505	505
40°	135	202	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
Vertical Angle: 45°
Luminance: 97 cd/sqm

TEST NUMBER: P1305412

CATALOG NUMBER: P3SQAS02R259024DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	43.0
10°-20°	117.0	48.5
20°-30°	18.1	7.5
30°-40°	1.8	0.8
40°-50°	0.2	0.1
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°	238.9	99.1
0°-40°	240.7	99.9
0°-60°	241.0	100.0
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1179	1181	1190	1194	1195	103
15°	426	422	413	431	440	117
25°	20	29	37	28	23	16
35°	2	2	2	3	2	2
45°	0	0	0	0	0	0
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: P1305412

CATALOG NUMBER: P3SQAS02R259024DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.9	1305.9	1305.9	1305.9	1305.9
1°	1300.5	1302.2	1300.3	1302.4	1302.2
2°	1287.0	1288.7	1286.3	1287.6	1287.6
3°	1259.2	1262.9	1265.0	1266.5	1267.8
4°	1222.7	1226.8	1230.0	1233.9	1233.9
5°	1178.9	1181.0	1189.6	1194.3	1195.4
6°	1126.6	1135.2	1141.7	1151.1	1145.3
7°	1074.4	1081.5	1090.5	1092.1	1096.1
8°	1015.1	1022.6	1031.0	1029.5	1026.1
9°	942.9	953.9	963.8	960.5	964.8
10°	876.1	882.8	882.3	879.1	886.4
11°	798.5	800.0	791.6	804.7	796.8
12°	706.5	707.8	697.1	710.0	718.1
13°	618.4	615.4	600.6	617.6	627.9
14°	517.0	518.1	499.2	532.1	529.5
15°	425.5	422.5	412.8	431.3	440.3
17.5°	226.7	228.6	226.3	235.5	241.3
20°	116.9	120.1	118.8	122.7	120.1
22.5°	60.6	65.1	66.4	63.4	55.2
25°	19.6	29.0	37.0	28.2	23.2
27.5°	11.8	11.6	18.1	12.5	12.7
30°	7.3	7.1	7.5	7.5	7.7
32.5°	4.1	4.3	4.1	4.5	4.3
35°	2.1	2.4	2.4	2.6	2.4
37.5°	1.3	1.5	1.5	1.5	1.3
40°	0.6	0.9	0.9	0.6	0.6
42.5°	0.4	0.4	0.4	0.4	0.4
45°	0.4	0.2	0.2	0.2	0.4
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.2	0.0	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.2	0.0	0.0	0.0	0.2
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: P1305412

CATALOG NUMBER: P3SQAS02R259024DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)