

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: P1309738

Luminaire Tested: P3SQAS02R259040DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309738
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: P3SQAS02R259040DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

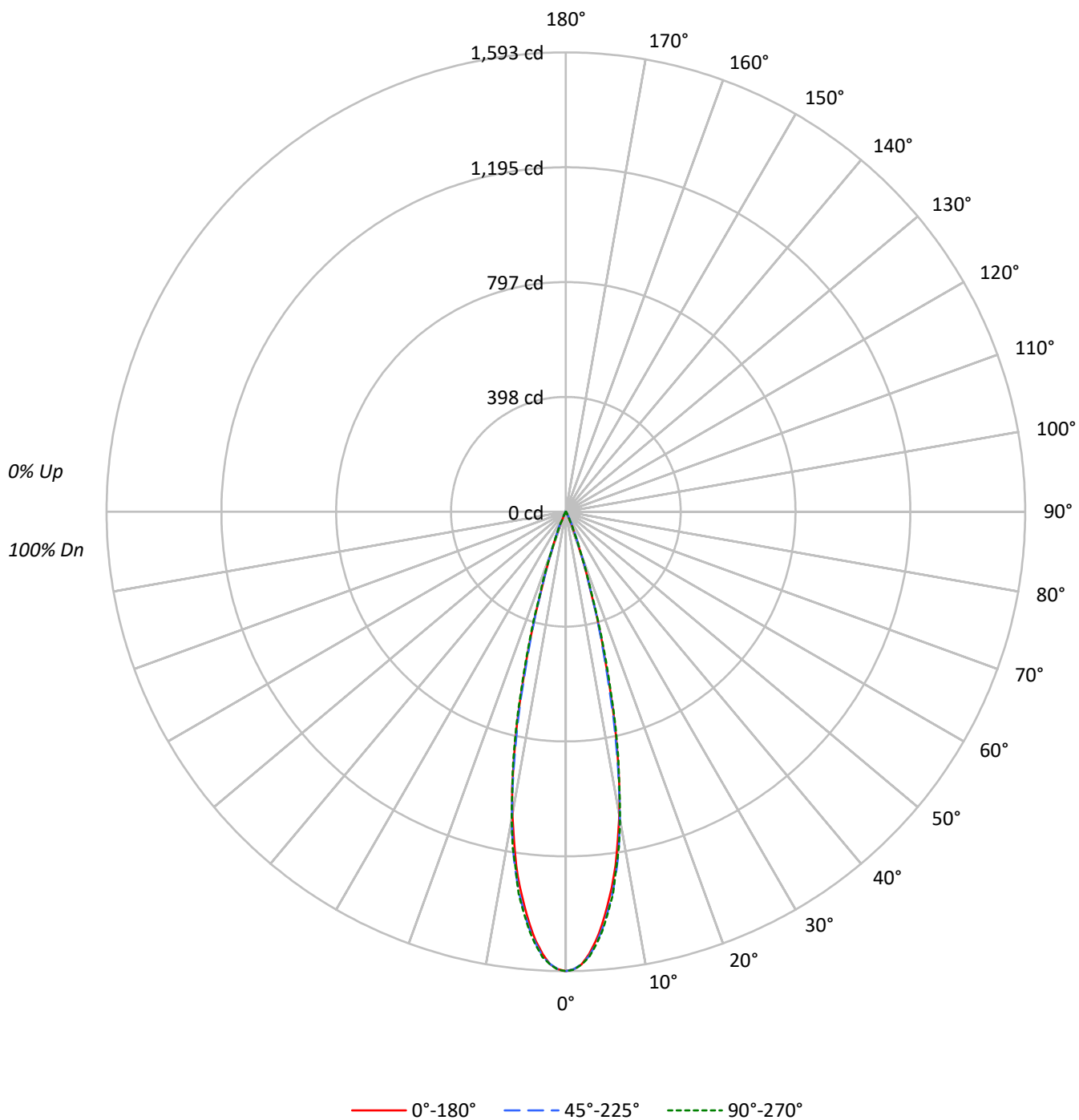
Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309738

CATALOG NUMBER: P3SQAS02R259040DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309738

CATALOG NUMBER: P3SQAS02R259040DE010 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°	274351	274351	274351
5°	248619	250884	252112
10°	186911	188240	189097
15°	92537	89791	95764
20°	26135	26575	26850
25°	4542	8570	5378
30°	1770	1830	1869
35°	547	610	610
40°	180	225	180
45°	122	73	122
50°	80	0	80
55°	90	0	90
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: 122 cd/sqm

TEST NUMBER: P1309738

CATALOG NUMBER: P3SQAS02R259040DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	43.0
10°-20°	142.7	48.5
20°-30°	22.1	7.5
30°-40°	2.2	0.8
40°-50°	0.3	0.1
50°-60°	0.1	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°	291.4	99.1
0°-40°	293.6	99.9
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°	1593	1593	1593	1593	1593	
5°	1438	1441	1451	1457	1458	125
15°	519	515	504	526	537	142
25°	24	35	45	34	28	20
35°	3	3	3	3	3	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: P1309738

CATALOG NUMBER: P3SQAS02R259040DE010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1593.0	1593.0	1593.0	1593.0	1593.0
1°	1586.5	1588.6	1586.2	1588.9	1588.6
2°	1570.0	1572.1	1569.2	1570.8	1570.8
3°	1536.2	1540.6	1543.2	1545.1	1546.6
4°	1491.6	1496.6	1500.5	1505.2	1505.2
5°	1438.1	1440.7	1451.2	1457.0	1458.3
6°	1374.4	1384.9	1392.8	1404.3	1397.2
7°	1310.7	1319.4	1330.4	1332.2	1337.2
8°	1238.4	1247.5	1257.8	1255.9	1251.7
9°	1150.3	1163.7	1175.7	1171.8	1177.0
10°	1068.8	1076.9	1076.4	1072.4	1081.3
11°	974.1	976.0	965.7	981.7	972.0
12°	861.9	863.5	850.4	866.1	876.1
13°	754.4	750.8	732.7	753.4	766.0
14°	630.7	632.0	609.0	649.1	645.9
15°	519.0	515.4	503.6	526.1	537.1
17.5°	276.6	278.9	276.0	287.3	294.4
20°	142.6	146.5	145.0	149.7	146.5
22.5°	73.9	79.4	81.0	77.3	67.4
25°	23.9	35.4	45.1	34.3	28.3
27.5°	14.4	14.2	22.0	15.2	15.5
30°	8.9	8.7	9.2	9.2	9.4
32.5°	5.0	5.2	5.0	5.5	5.2
35°	2.6	2.9	2.9	3.1	2.9
37.5°	1.6	1.8	1.8	1.8	1.6
40°	0.8	1.0	1.0	0.8	0.8
42.5°	0.5	0.5	0.5	0.5	0.5
45°	0.5	0.3	0.3	0.3	0.5
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.3	0.0	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.3	0.0	0.0	0.0	0.3
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: P1309738
CATALOG NUMBER: P3SQAS02R259040DE010 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)