

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: P1310838

Luminaire Tested: P3SQAS02R259050DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310838
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: P3SQAS02R259050DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

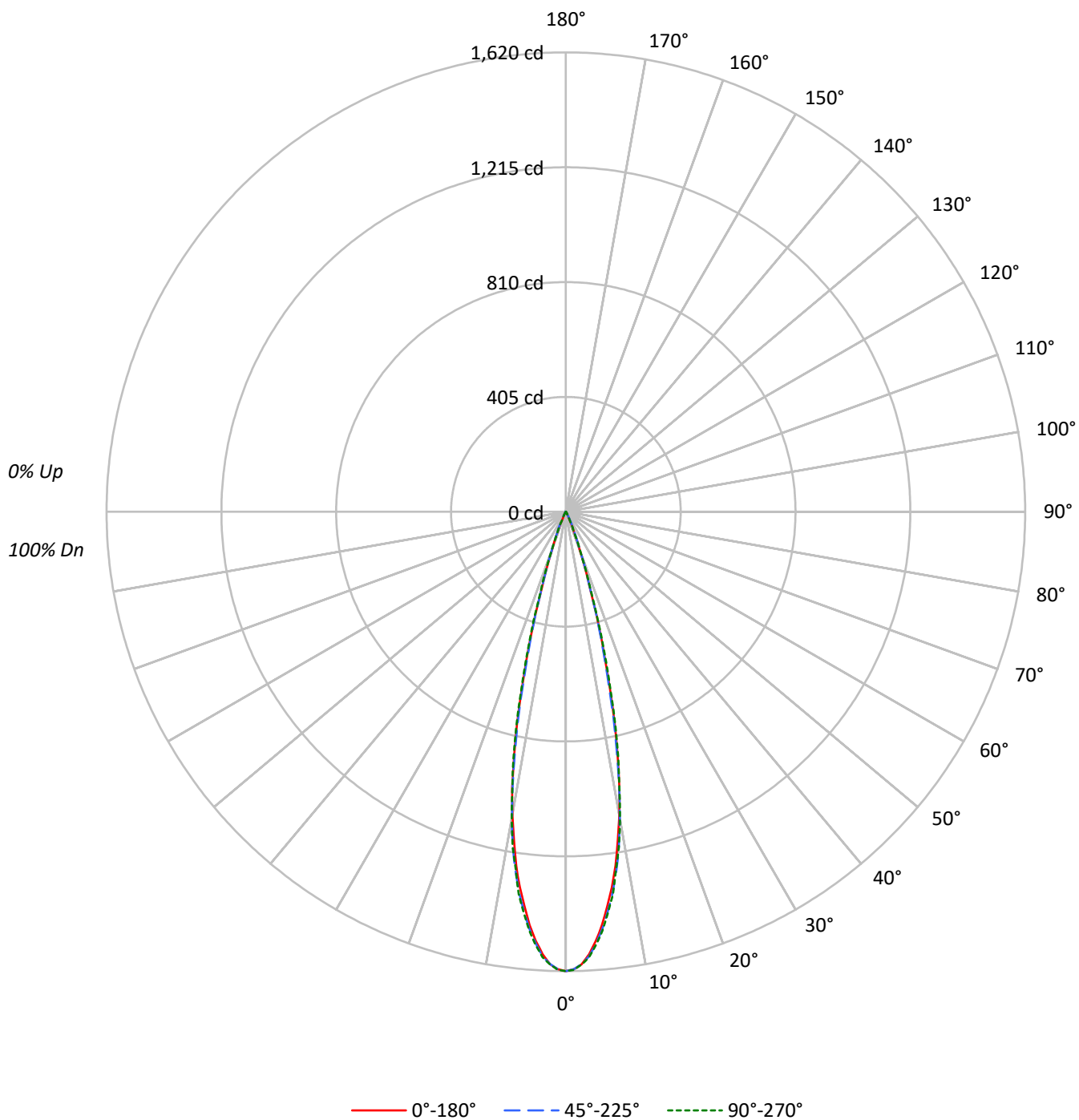
Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310838

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310838

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	279018	279018	279018
5°	252855	255154	256399
10°	190076	191441	192315
15°	94124	91306	97404
20°	26575	27015	27308
25°	4618	8722	5473
30°	1810	1849	1909
35°	568	610	610
40°	180	247	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: P1310838

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	43.0
10°-20°	145.1	48.5
20°-30°	22.5	7.5
30°-40°	2.3	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°	296.4	99.1
0°-40°	298.6	99.9
0°-60°	299.0	100.0
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1463	1465	1476	1482	1483	127
15°	528	524	512	535	546	145
25°	24	36	46	35	29	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: P1310838

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1620.1	1620.1	1620.1	1620.1	1620.1
1°	1613.5	1615.6	1613.2	1615.9	1615.6
2°	1596.7	1598.8	1595.9	1597.5	1597.5
3°	1562.3	1566.8	1569.5	1571.3	1572.9
4°	1517.0	1522.0	1526.0	1530.8	1530.8
5°	1462.6	1465.2	1475.9	1481.8	1483.1
6°	1397.8	1408.5	1416.5	1428.2	1421.0
7°	1333.0	1341.8	1353.0	1354.9	1359.9
8°	1259.4	1268.8	1279.2	1277.3	1273.0
9°	1169.8	1183.4	1195.7	1191.7	1197.0
10°	1086.9	1095.2	1094.7	1090.7	1099.7
11°	990.7	992.6	982.2	998.4	988.6
12°	876.6	878.2	864.9	880.9	891.0
13°	767.3	763.5	745.2	766.2	779.0
14°	641.4	642.8	619.3	660.1	656.9
15°	527.9	524.1	512.1	535.1	546.3
17.5°	281.3	283.7	280.7	292.2	299.4
20°	145.0	149.0	147.4	152.2	149.0
22.5°	75.2	80.8	82.4	78.6	68.5
25°	24.3	36.0	45.9	34.9	28.8
27.5°	14.7	14.4	22.4	15.5	15.7
30°	9.1	8.8	9.3	9.3	9.6
32.5°	5.1	5.3	5.1	5.6	5.3
35°	2.7	2.9	2.9	3.2	2.9
37.5°	1.6	1.9	1.9	1.9	1.6
40°	0.8	1.1	1.1	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: P1310838
CATALOG NUMBER: P3SQAS02R259050DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)