

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: P1310833

Luminaire Tested: P3SQAS02R259050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

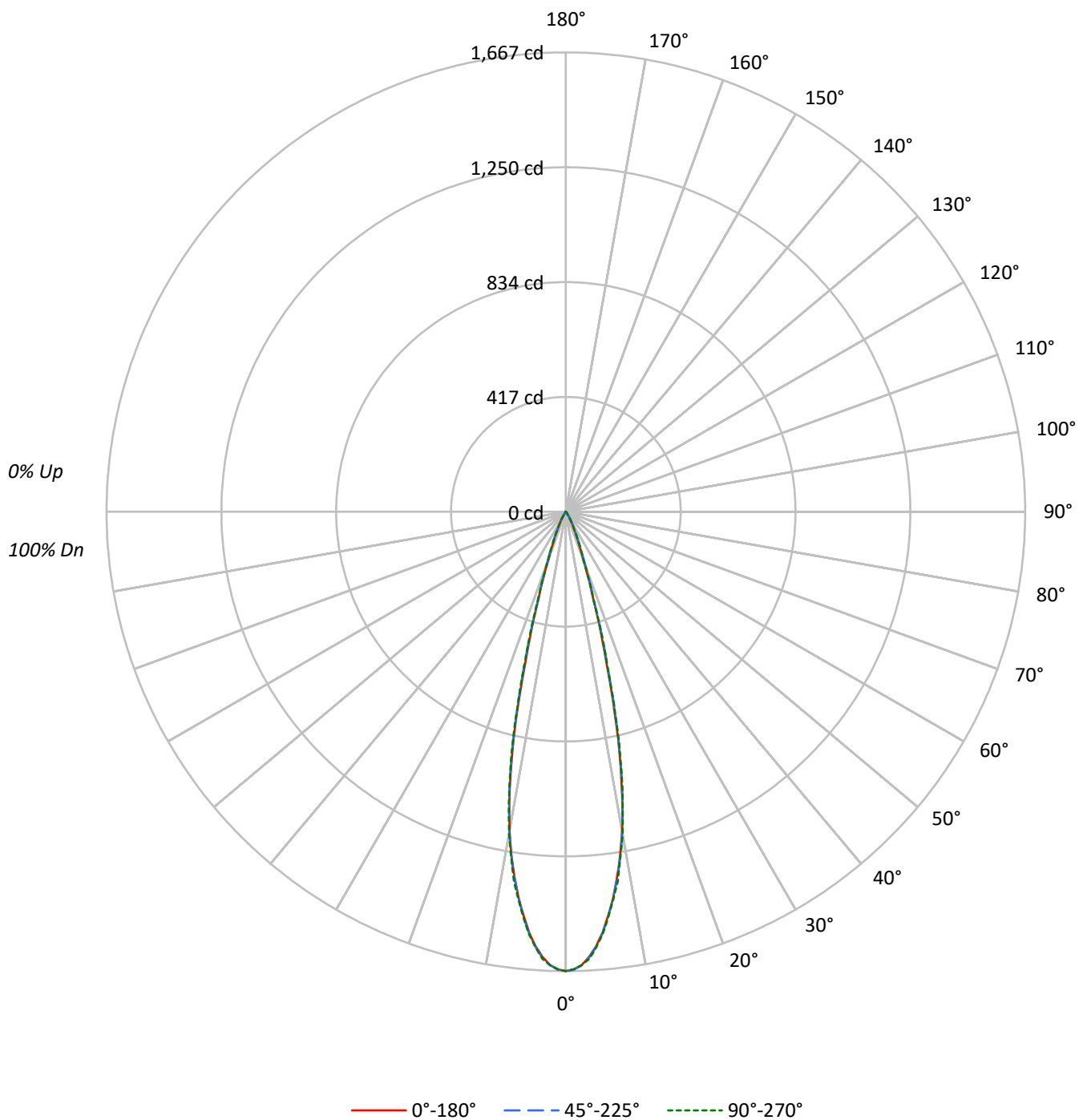
Lumens per Lamp: N/A
Luminaire Lumens: 347.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310833

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310833

CATALOG NUMBER: P3SQAS02R259050DE010 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	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	287095	287095	287095
5°	264732	265320	265873
10°	205536	206288	207407
15°	101576	105856	105891
20°	34199	36490	34877
25°	14157	15734	14575
30°	5568	6980	5608
35°	1451	2859	1514
40°	540	1147	540
45°	73	317	73
50°	0	80	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: 317 cd/sqm

TEST NUMBER: P1310833

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	38.9
10°-20°	163.4	47.1
20°-30°	39.9	11.5
30°-40°	7.8	2.2
40°-50°	0.9	0.3
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°	338.4	97.5
0°-40°	346.1	99.7
0°-60°	347.0	100.0
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1667	1667	1667	1667	1667	
5°	1531	1533	1535	1541	1538	135
15°	570	583	594	600	594	160
25°	74	78	83	79	77	38
35°	7	10	14	10	7	6
45°	0	1	1	1	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: P1310833

CATALOG NUMBER: P3SQAS02R259050DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1667.0	1667.0	1667.0	1667.0	1667.0
1°	1660.7	1661.7	1662.0	1663.6	1660.4
2°	1645.5	1645.7	1646.5	1649.7	1646.8
3°	1617.5	1619.4	1619.7	1623.9	1624.7
4°	1579.5	1580.5	1582.7	1589.8	1583.5
5°	1531.3	1533.4	1534.7	1541.4	1537.9
6°	1471.6	1472.2	1475.1	1482.8	1478.0
7°	1410.9	1410.7	1410.9	1417.1	1415.7
8°	1337.7	1336.4	1340.7	1348.1	1353.2
9°	1261.3	1263.2	1265.9	1273.0	1267.2
10°	1175.3	1180.4	1179.6	1180.1	1186.0
11°	1076.3	1077.9	1078.2	1083.8	1083.0
12°	960.0	960.0	968.8	977.8	974.9
13°	842.6	850.8	845.0	846.8	858.5
14°	705.7	712.1	720.1	727.6	721.7
15°	569.7	583.3	593.7	599.5	593.9
17.5°	326.4	330.9	339.7	340.8	337.3
20°	186.6	192.2	199.1	197.0	190.3
22.5°	117.4	119.0	125.9	122.5	120.9
25°	74.5	78.5	82.8	79.3	76.7
27.5°	46.3	49.0	53.5	49.8	46.9
30°	28.0	30.3	35.1	30.1	28.2
32.5°	14.6	18.1	22.1	18.4	14.6
35°	6.9	9.8	13.6	9.8	7.2
37.5°	4.3	5.3	8.3	5.3	4.3
40°	2.4	3.5	5.1	3.5	2.4
42.5°	1.1	1.9	2.4	1.9	1.3
45°	0.3	0.8	1.3	0.8	0.3
47.5°	0.0	0.0	0.8	0.3	0.0
50°	0.0	0.0	0.3	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: P1310833

CATALOG NUMBER: P3SQAS02R259050DE010 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)