

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: P1309955

Luminaire Tested: P3SQAS05R409040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R409040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

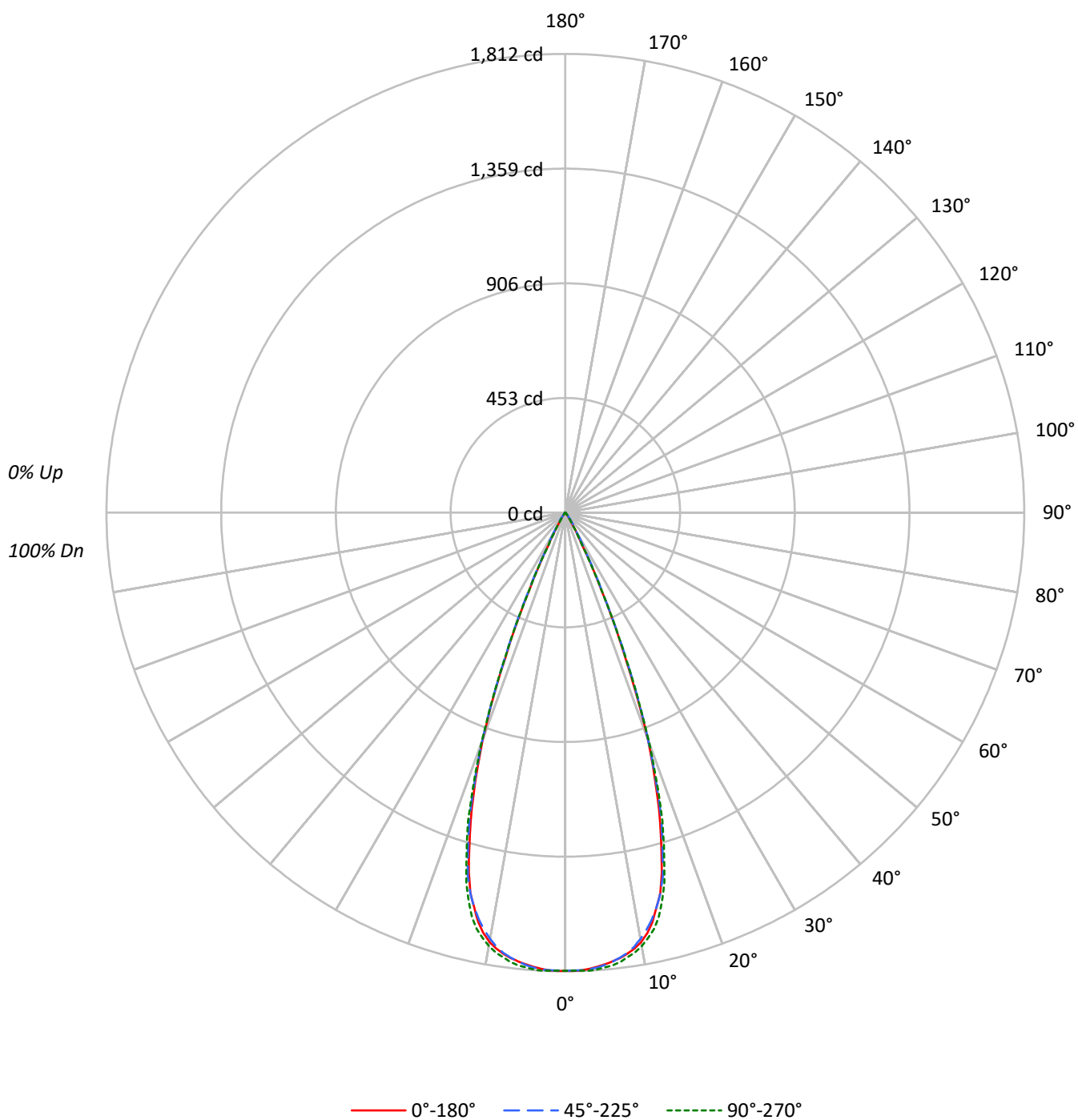
Lumens per Lamp: N/A
Luminaire Lumens: 766.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1309955

CATALOG NUMBER: P3SQAS05R409040DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309955

CATALOG NUMBER: P3SQAS05R409040DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83	82
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80	76	74	73
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77	74	72	71
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	311706	311706	311706
5°	309629	310096	311773
10°	301247	298991	303993
15°	262490	265165	269301
20°	174845	175725	177411
25°	63564	65502	63868
30°	13503	18097	13503
35°	4752	8031	4520
40°	1686	2540	1686
45°	390	1047	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	448	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1047 cd/sqm

TEST NUMBER: P1309955

CATALOG NUMBER: P3SQAS05R409040DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	22.1
10°-20°	394.1	51.5
20°-30°	177.4	23.2
30°-40°	20.2	2.6
40°-50°	2.9	0.4
50°-60°	1.0	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
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°	740.6	96.7
0°-40°	760.8	99.3
0°-60°	764.7	99.8
0°-90°	766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1791	1789	1794	1802	1803	169
15°	1472	1476	1487	1499	1510	391
25°	334	337	345	345	336	173
35°	23	25	38	24	22	17
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309955

CATALOG NUMBER: P3SQAS05R409040DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1809.9	1809.9	1809.9	1809.9	1809.9
1°	1811.0	1809.4	1808.8	1812.1	1809.4
2°	1809.4	1808.3	1808.8	1812.1	1809.9
3°	1804.5	1805.1	1806.7	1812.6	1812.1
4°	1798.6	1798.0	1801.3	1808.8	1808.8
5°	1791.0	1788.9	1793.7	1801.8	1803.4
6°	1782.4	1779.7	1783.5	1793.7	1797.5
7°	1772.7	1767.3	1770.6	1783.0	1787.8
8°	1759.8	1752.8	1756.6	1769.0	1772.7
9°	1743.6	1732.9	1736.1	1751.2	1758.7
10°	1722.6	1709.2	1709.7	1726.4	1738.3
11°	1693.0	1677.9	1678.5	1699.5	1711.9
12°	1653.7	1640.2	1642.9	1662.3	1682.2
13°	1600.4	1596.6	1599.8	1620.8	1639.1
14°	1548.6	1544.9	1550.8	1570.2	1578.8
15°	1472.2	1475.9	1487.2	1499.1	1510.4
17.5°	1229.8	1244.3	1257.8	1265.9	1275.5
20°	954.0	937.3	958.8	949.1	968.0
22.5°	615.7	628.1	633.5	628.1	630.2
25°	334.5	336.7	344.7	344.7	336.1
27.5°	142.2	153.5	163.8	160.0	142.2
30°	67.9	78.1	91.0	78.6	67.9
32.5°	38.2	45.2	58.7	44.2	37.2
35°	22.6	25.3	38.2	24.2	21.5
37.5°	13.5	14.0	21.0	14.5	12.9
40°	7.5	9.2	11.3	9.2	7.5
42.5°	3.8	5.4	7.0	5.4	3.8
45°	1.6	2.7	4.3	2.7	1.6
47.5°	1.6	1.6	2.7	1.6	1.6
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.5	1.1	1.1	1.1	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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: P1309955

CATALOG NUMBER: P3SQAS05R409040DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)