

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: P1312099

Luminaire Tested: P3SQAS05R259727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

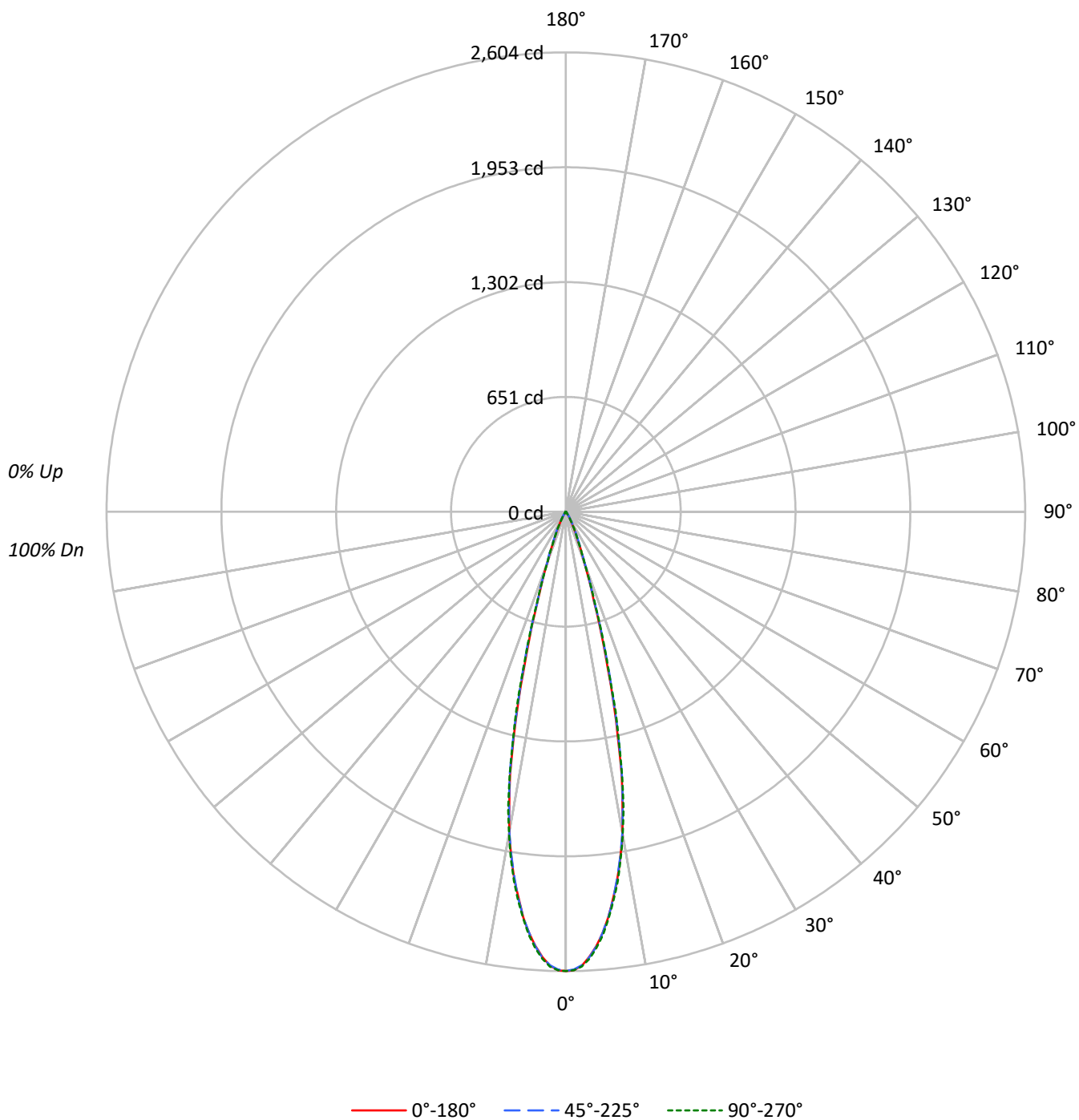
Lumens per Lamp: N/A
Luminaire Lumens: 549.9 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312099

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312099

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MW

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	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		91	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448382	448382	448382
5°	414153	414014	416331
10°	323509	322635	324839
15°	162750	169561	169401
20°	55697	57219	56302
25°	22385	25160	23335
30°	9088	10838	8830
35°	2649	4752	2649
40°	1214	2068	1214
45°	414	828	414
50°	214	348	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	397	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm

TEST NUMBER: P1312099

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	38.4
10°-20°	258.5	47.0
20°-30°	63.2	11.5
30°-40°	13.1	2.4
40°-50°	2.3	0.4
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.4	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°	532.9	96.9
0°-40°	545.9	99.3
0°-60°	549.0	99.8
0°-90°	549.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2604	2604	2604	2604	2604	
5°	2396	2398	2395	2400	2408	211
15°	913	928	951	955	950	255
25°	118	123	132	125	123	60
35°	13	18	23	17	13	11
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312099

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2603.5	2603.5	2603.5	2603.5	2603.5
1°	2598.5	2595.1	2594.3	2594.7	2598.9
2°	2575.0	2572.9	2572.5	2573.7	2579.6
3°	2527.2	2529.7	2530.6	2534.8	2537.7
4°	2468.5	2473.6	2471.5	2476.5	2479.8
5°	2395.6	2397.7	2394.8	2399.8	2408.2
6°	2310.5	2303.0	2310.1	2312.2	2318.1
7°	2204.5	2206.2	2208.7	2211.2	2220.0
8°	2100.1	2095.1	2093.9	2105.6	2112.7
9°	1978.2	1979.0	1974.4	1987.8	1989.9
10°	1849.9	1839.5	1844.9	1855.4	1857.5
11°	1680.6	1677.7	1685.6	1702.0	1715.0
12°	1521.8	1523.4	1531.8	1537.3	1534.3
13°	1311.8	1324.4	1334.9	1340.3	1333.2
14°	1121.9	1121.9	1135.4	1137.5	1163.0
15°	912.8	928.3	951.0	955.1	950.1
17.5°	527.2	529.3	540.2	539.8	547.8
20°	303.9	306.8	312.2	311.0	307.2
22.5°	182.7	189.0	202.0	191.5	188.6
25°	117.8	123.2	132.4	124.9	122.8
27.5°	73.8	77.5	84.7	78.0	74.6
30°	45.7	47.8	54.5	48.2	44.4
32.5°	24.7	30.2	35.6	30.2	24.7
35°	12.6	17.6	22.6	17.2	12.6
37.5°	8.4	10.1	14.7	9.6	8.4
40°	5.4	6.7	9.2	6.7	5.4
42.5°	2.9	4.2	5.0	4.6	2.9
45°	1.7	2.5	3.4	2.5	1.7
47.5°	1.3	1.3	2.1	1.3	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	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: P1312099

CATALOG NUMBER: P3SQAS05R259727DE010 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)