

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: P1312097

Luminaire Tested: P3SQAS05R259727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312097
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: P3SQAS05R259727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

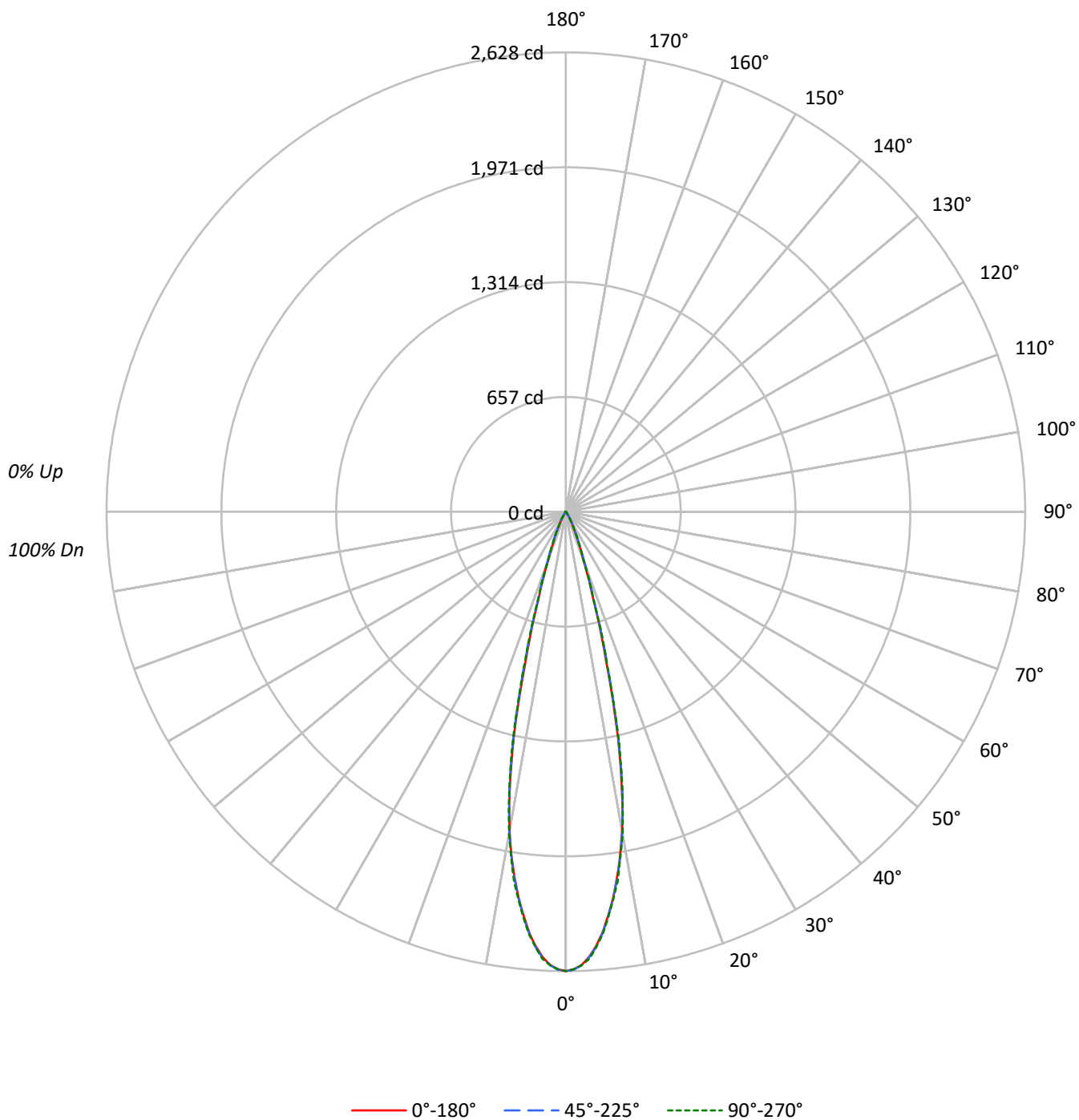
Lumens per Lamp: N/A
Luminaire Lumens: 547.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1312097

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312097

CATALOG NUMBER: P3SQAS05R259727DE010 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°	452584	452584	452584
5°	417316	418250	419114
10°	324017	325188	326955
15°	160129	166851	166923
20°	53920	57530	55001
25°	22328	24798	22974
30°	8770	11017	8850
35°	2292	4499	2376
40°	854	1799	854
45°	97	511	97
50°	0	107	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: 511 cd/sqm

TEST NUMBER: P1312097

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	38.9
10°-20°	257.6	47.1
20°-30°	62.9	11.5
30°-40°	12.2	2.2
40°-50°	1.4	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°	533.4	97.5
0°-40°	545.6	99.7
0°-60°	547.0	100.0
0°-90°	547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2628	2628	2628	2628	2628	
5°	2414	2417	2419	2430	2424	212
15°	898	920	936	945	936	253
25°	118	124	130	125	121	60
35°	11	16	21	16	11	10
45°	0	1	2	1	0	1
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: P1312097

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2627.9	2627.9	2627.9	2627.9	2627.9
1°	2617.8	2619.5	2619.9	2622.4	2617.4
2°	2593.9	2594.3	2595.6	2600.6	2596.0
3°	2549.8	2552.8	2553.2	2559.9	2561.2
4°	2489.8	2491.5	2494.8	2506.2	2496.1
5°	2413.9	2417.2	2419.3	2429.8	2424.3
6°	2319.9	2320.7	2325.3	2337.5	2329.9
7°	2224.2	2223.7	2224.2	2233.8	2231.7
8°	2108.8	2106.7	2113.4	2125.1	2133.1
9°	1988.3	1991.3	1995.5	2006.8	1997.6
10°	1852.8	1860.7	1859.5	1860.3	1869.6
11°	1696.7	1699.2	1699.6	1708.4	1707.2
12°	1513.3	1513.3	1527.1	1541.4	1536.8
13°	1328.2	1341.2	1332.0	1334.9	1353.4
14°	1112.5	1122.6	1135.2	1146.9	1137.7
15°	898.1	919.5	935.8	945.1	936.2
17.5°	514.5	521.6	535.5	537.2	531.7
20°	294.2	303.0	313.9	310.5	300.1
22.5°	185.1	187.6	198.5	193.0	190.5
25°	117.5	123.8	130.5	125.1	120.9
27.5°	73.0	77.2	84.4	78.5	73.9
30°	44.1	47.8	55.4	47.4	44.5
32.5°	23.1	28.5	34.8	29.0	23.1
35°	10.9	15.5	21.4	15.5	11.3
37.5°	6.7	8.4	13.0	8.4	6.7
40°	3.8	5.5	8.0	5.5	3.8
42.5°	1.7	2.9	3.8	2.9	2.1
45°	0.4	1.3	2.1	1.3	0.4
47.5°	0.0	0.0	1.3	0.4	0.0
50°	0.0	0.0	0.4	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: P1312097
CATALOG NUMBER: P3SQAS05R259727DE010 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)