

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: P1310802

Luminaire Tested: P3SQAS02R159050DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159050DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

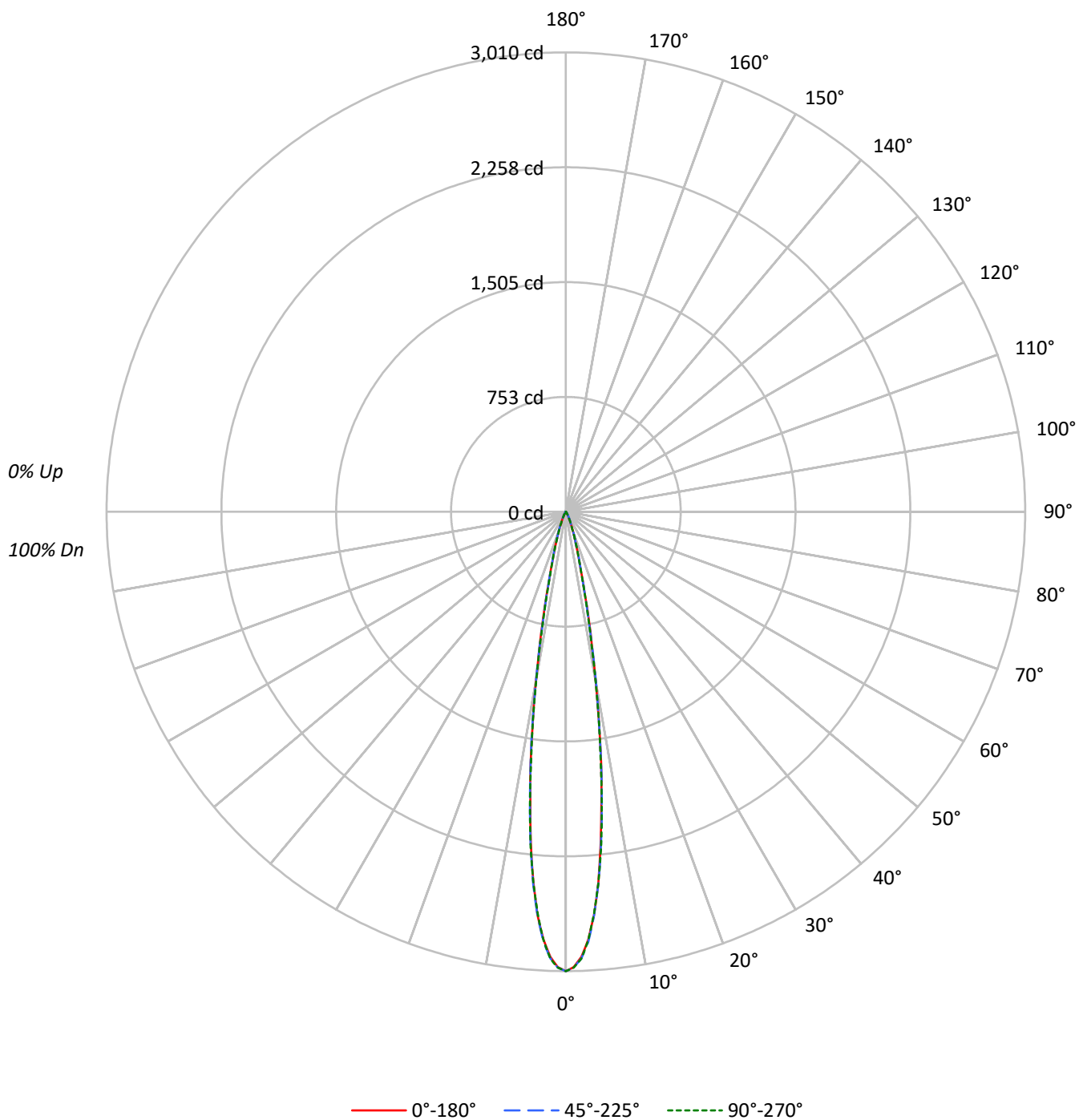
Lumens per Lamp: N/A
Luminaire Lumens: 336.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310802

CATALOG NUMBER: P3SQAS02R159050DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1310802

CATALOG NUMBER: P3SQAS02R159050DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	89	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	518476	518476	518476
5°	422140	423523	422693
10°	196914	198681	196180
15°	61834	62351	61976
20°	24504	25475	23716
25°	9900	11972	9539
30°	3957	5449	3759
35°	1177	2397	1114
40°	360	899	292
45°	73	195	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: 195 cd/sqm

TEST NUMBER: P1310802

CATALOG NUMBER: P3SQAS02R159050DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	56.1
10°-20°	112.7	33.5
20°-30°	28.4	8.5
30°-40°	5.8	1.7
40°-50°	0.5	0.2
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°	329.7	98.1
0°-40°	335.5	99.8
0°-60°	336.0	100.0
0°-90°	336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3010	3010	3010	3010	3010	
5°	2442	2437	2450	2444	2445	188
15°	347	350	350	345	348	113
25°	52	57	63	56	50	27
35°	6	7	11	7	5	5
45°	0	0	1	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: P1310802

CATALOG NUMBER: P3SQAS02R159050DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3010.5	3010.5	3010.5	3010.5	3010.5
1°	2983.4	2993.5	2988.2	2992.5	2987.7
2°	2918.9	2932.4	2928.2	2926.8	2930.6
3°	2805.1	2820.8	2820.3	2816.3	2809.9
4°	2649.9	2643.5	2653.4	2652.3	2641.4
5°	2441.8	2437.3	2449.8	2443.7	2445.0
6°	2187.2	2206.9	2202.6	2203.2	2208.2
7°	1913.7	1924.4	1933.4	1940.9	1930.5
8°	1662.6	1659.9	1660.7	1669.2	1640.5
9°	1381.4	1397.9	1387.3	1370.3	1381.2
10°	1126.0	1136.1	1136.1	1121.2	1121.8
11°	897.7	906.0	900.1	903.9	880.5
12°	723.7	703.2	698.4	702.1	701.9
13°	552.5	553.8	552.5	552.3	549.6
14°	433.2	440.1	437.2	430.0	426.8
15°	346.8	349.7	349.7	344.7	347.6
17.5°	208.4	211.8	212.6	209.2	209.2
20°	133.7	135.3	139.0	133.9	129.4
22.5°	82.4	85.8	92.2	84.8	81.1
25°	52.1	56.9	63.0	55.8	50.2
27.5°	32.7	36.7	42.0	35.1	31.6
30°	19.9	22.6	27.4	22.1	18.9
32.5°	11.2	13.3	17.3	12.8	10.6
35°	5.6	7.4	11.4	7.2	5.3
37.5°	3.2	4.0	7.2	3.5	2.9
40°	1.6	2.1	4.0	2.1	1.3
42.5°	0.5	1.1	1.6	1.1	0.5
45°	0.3	0.5	0.8	0.5	0.3
47.5°	0.0	0.0	0.3	0.0	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: P1310802

CATALOG NUMBER: P3SQAS02R159050DE010 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)