

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: P1312007

Luminaire Tested: P3SQAS02R559727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

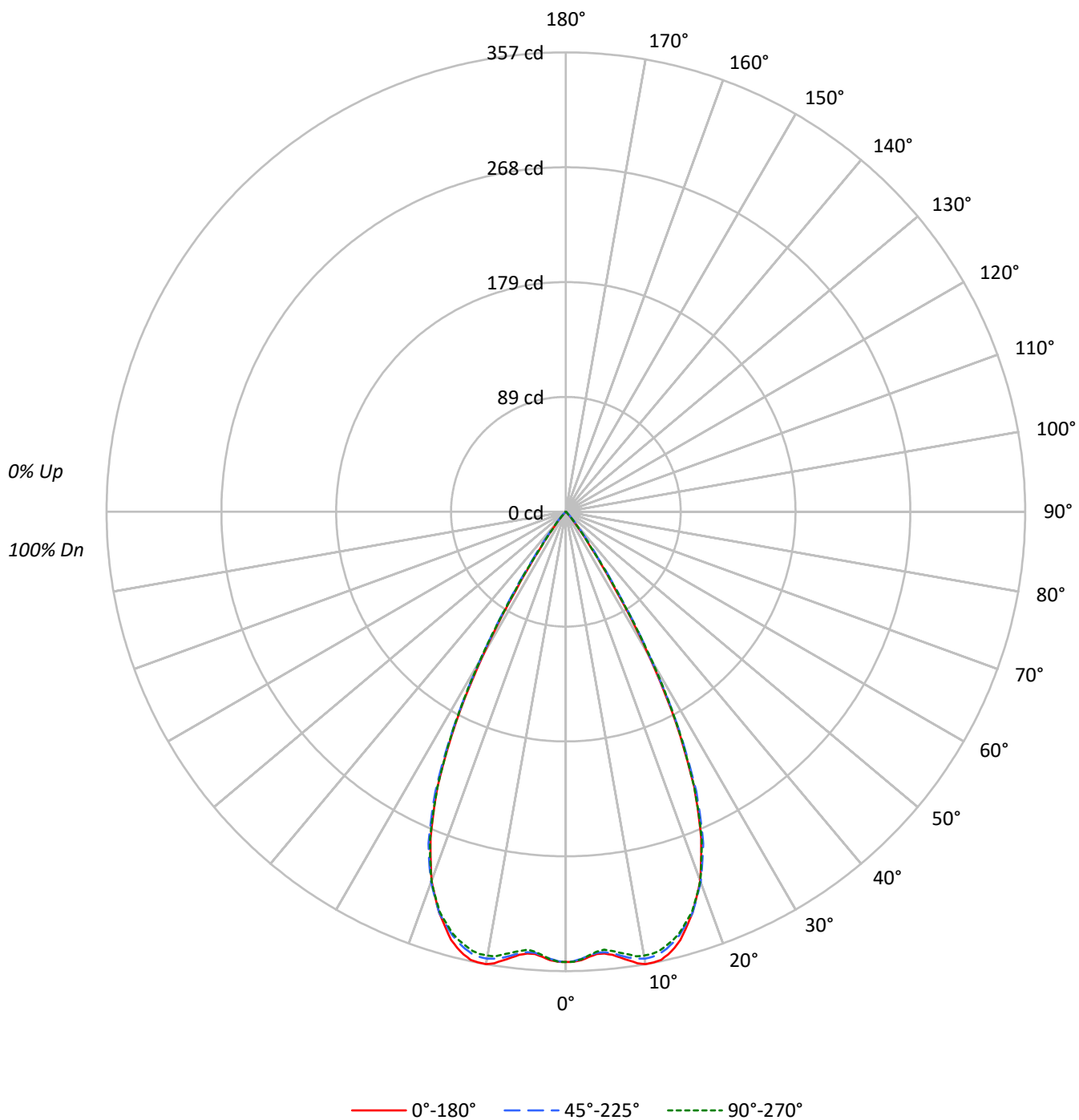
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312007

CATALOG NUMBER: P3SQAS02R559727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312007

CATALOG NUMBER: P3SQAS02R559727DE010 E3SQCD1MB

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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60261	60261	60261
5°	59575	59402	59073
10°	62432	61680	61260
15°	61406	60746	60532
20°	55936	56156	55972
25°	44865	45568	44865
30°	25753	26409	26608
35°	7338	8851	7548
40°	1888	2720	1933
45°	195	950	146
50°	0	161	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: 950 cd/sqm

TEST NUMBER: P1312007

CATALOG NUMBER: P3SQAS02R559727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	12.5
10°-20°	94.8	35.6
20°-30°	104.4	39.3
30°-40°	31.2	11.7
40°-50°	2.4	0.9
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°	232.4	87.4
0°-40°	263.6	99.1
0°-60°	266.0	100.0
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	350	350	350	350	350	
5°	345	344	344	342	342	33
15°	344	342	341	339	340	95
25°	236	236	240	239	236	103
35°	35	37	42	38	36	29
45°	1	2	4	2	1	2
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: P1312007

CATALOG NUMBER: P3SQAS02R559727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	349.9	349.9	349.9	349.9	349.9
1°	349.7	349.7	349.3	349.1	349.7
2°	348.7	348.7	347.6	347.4	348.0
3°	346.4	346.2	345.4	344.8	345.2
4°	344.6	344.2	343.6	342.5	342.7
5°	344.6	344.0	343.6	342.1	341.7
6°	346.2	345.8	345.0	343.6	343.1
7°	349.1	348.2	347.4	345.6	345.2
8°	352.1	351.5	349.9	348.0	347.2
9°	355.2	353.8	351.7	349.9	349.7
10°	357.0	355.0	352.7	350.5	350.3
11°	356.8	355.0	352.3	350.3	350.1
12°	356.0	353.4	351.1	348.7	348.9
13°	353.1	350.7	348.5	346.6	346.2
14°	349.3	347.0	345.0	343.1	343.3
15°	344.4	341.9	340.7	339.3	339.5
17.5°	327.0	326.4	327.0	325.4	326.0
20°	305.2	304.5	306.4	305.6	305.4
22.5°	274.7	275.5	279.0	278.0	276.1
25°	236.1	236.1	239.8	239.4	236.1
27.5°	185.9	187.3	189.5	190.6	188.1
30°	129.5	132.8	132.8	134.8	133.8
32.5°	72.3	79.2	80.9	81.9	77.8
35°	34.9	37.2	42.1	38.4	35.9
37.5°	16.7	17.8	22.7	18.4	17.2
40°	8.4	9.6	12.1	10.0	8.6
42.5°	3.5	5.1	6.3	5.1	3.5
45°	0.8	2.0	3.9	2.0	0.6
47.5°	0.0	0.2	1.8	0.4	0.0
50°	0.0	0.0	0.6	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: P1312007

CATALOG NUMBER: P3SQAS02R559727DE010 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)