

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: P1315866

Luminaire Tested: P3SQAS02R559827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315866
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: P3SQAS02R559827DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

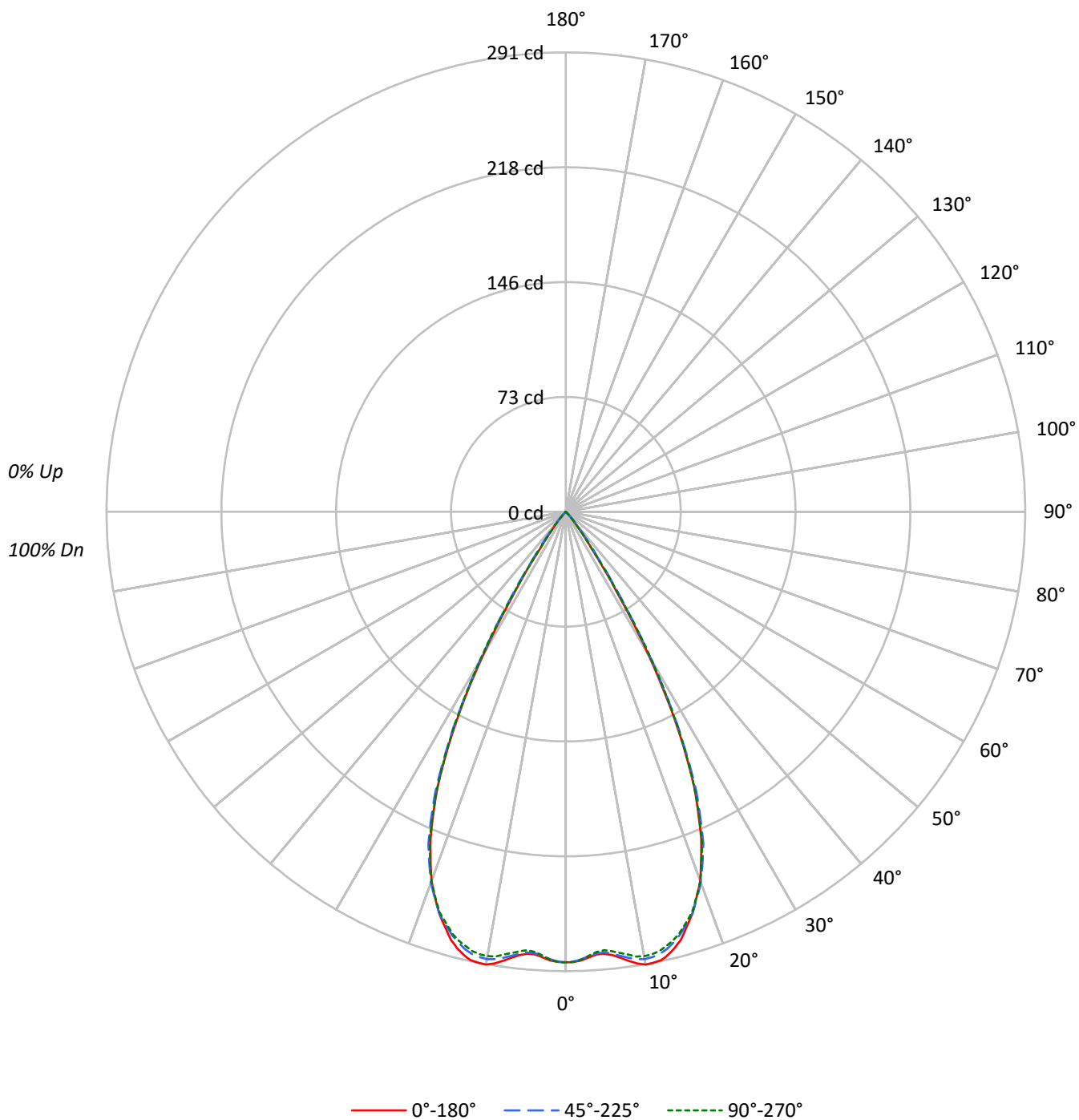
Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315866

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315866

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCD1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49152	49152	49152
5°	48597	48458	48199
10°	50942	50330	49981
15°	50084	49549	49371
20°	45617	45801	45654
25°	36599	37169	36599
30°	21000	21537	21696
35°	5992	7211	6160
40°	1529	2203	1574
45°	170	779	122
50°	0	134	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: 779 cd/sqm

TEST NUMBER: P1315866

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	12.5
10°-20°	77.3	35.6
20°-30°	85.2	39.3
30°-40°	25.4	11.7
40°-50°	2.0	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°	189.6	87.4
0°-40°	215.0	99.1
0°-60°	217.0	100.0
0°-90°	217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	281	281	280	279	279	27
15°	281	279	278	277	277	78
25°	193	193	196	195	193	84
35°	28	30	34	31	29	24
45°	1	2	3	2	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: P1315866

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.4	285.4	285.4	285.4	285.4
1°	285.3	285.3	284.9	284.8	285.3
2°	284.4	284.4	283.6	283.4	283.9
3°	282.6	282.4	281.8	281.3	281.6
4°	281.1	280.8	280.3	279.4	279.6
5°	281.1	280.6	280.3	279.1	278.8
6°	282.4	282.1	281.4	280.3	279.9
7°	284.8	284.1	283.4	281.9	281.6
8°	287.3	286.8	285.4	283.9	283.3
9°	289.8	288.6	286.9	285.4	285.3
10°	291.3	289.6	287.8	285.9	285.8
11°	291.1	289.6	287.4	285.8	285.6
12°	290.4	288.3	286.4	284.4	284.6
13°	288.1	286.1	284.3	282.8	282.4
14°	284.9	283.1	281.4	279.9	280.1
15°	280.9	278.9	277.9	276.8	276.9
17.5°	266.8	266.3	266.8	265.4	265.9
20°	248.9	248.4	249.9	249.3	249.1
22.5°	224.1	224.8	227.6	226.8	225.3
25°	192.6	192.6	195.6	195.3	192.6
27.5°	151.6	152.8	154.6	155.5	153.5
30°	105.6	108.3	108.3	110.0	109.1
32.5°	59.0	64.7	66.0	66.8	63.5
35°	28.5	30.3	34.3	31.3	29.3
37.5°	13.7	14.5	18.5	15.0	14.0
40°	6.8	7.8	9.8	8.2	7.0
42.5°	2.8	4.2	5.2	4.2	2.8
45°	0.7	1.7	3.2	1.7	0.5
47.5°	0.0	0.2	1.5	0.3	0.0
50°	0.0	0.0	0.5	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: P1315866

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)