

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: P1315860

Luminaire Tested: P3SQAS02R559827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

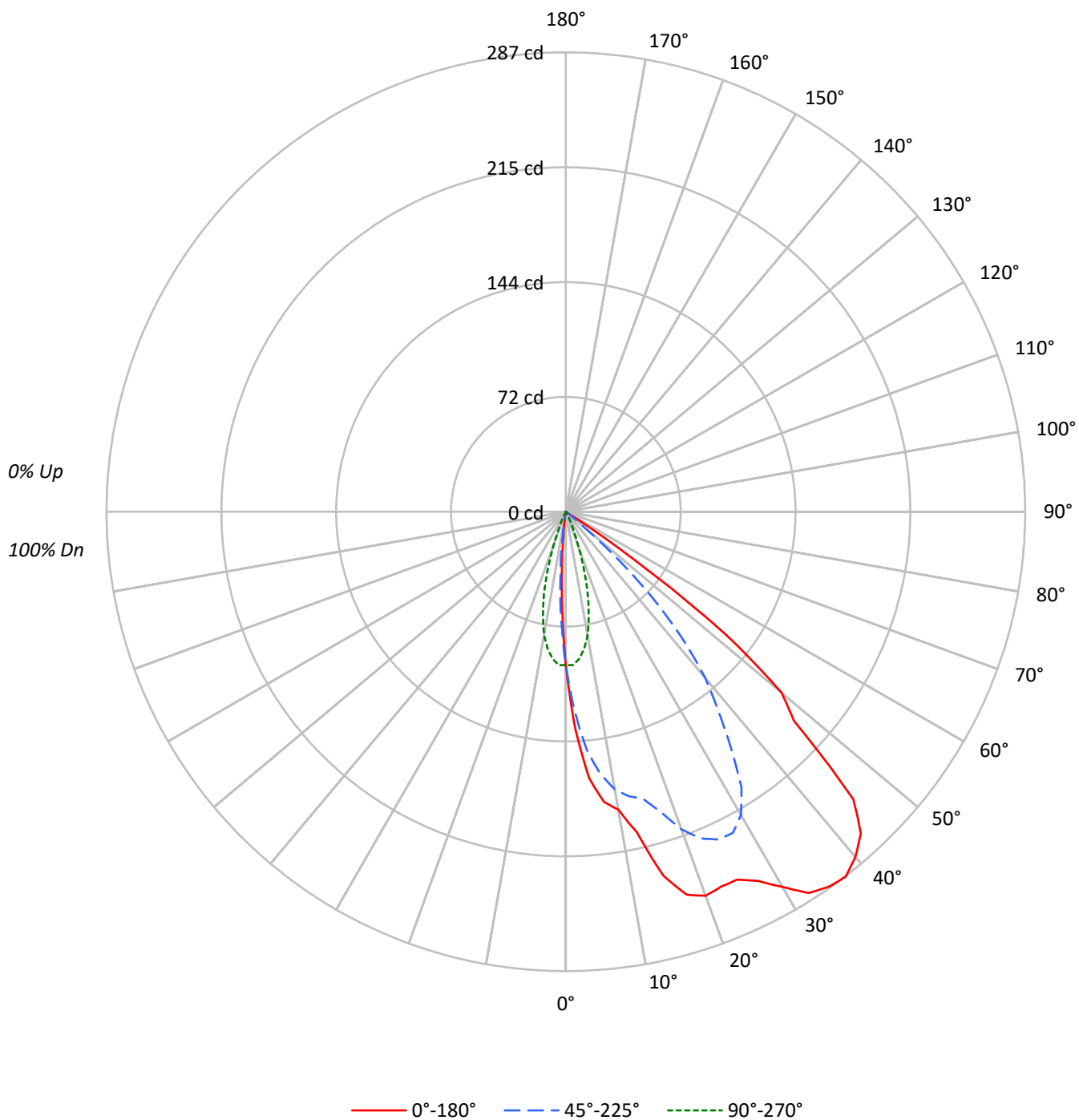
Lumens per Lamp: N/A
Luminaire Lumens: 177.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315860

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315860

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCA301MMS

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16464	16464	16464	16464	16464
5°	28871	25742	15991	6639	3821
10°	33052	30796	13676	734	262
15°	41989	33074	9378	143	89
20°	46790	38689	4124	0	0
25°	48172	42927	1178	0	0
30°	53813	43492	159	0	0
35°	60151	37760	0	0	0
40°	63265	30396	0	0	0
45°	61864	19192	0	0	0
50°	47102	3912	0	0	0
55°	15433	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	298	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61864 cd/sqm

TEST NUMBER: P1315860

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	4.9
10°-20°	25.6	14.5
20°-30°	41.7	23.5
30°-40°	49.5	28.0
40°-50°	40.5	22.9
50°-60°	10.7	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	0.1
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°	76.0	42.9
0°-40°	125.5	70.9
0°-60°	176.7	99.8
0°-90°	177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	167	149	92	38	22	16
15°	236	186	53	1	0	66
25°	254	226	6	0	0	119
35°	286	180	0	0	0	178
45°	254	79	0	0	0	182
55°	51	0	0	0	0	58
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: P1315860

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	135.7	134.7	134.9	134.4	134.9	132.7	130.4	128.2	126.6	124.3	110.1
5°	167.0	165.3	164.8	164.2	163.5	160.8	158.7	156.0	152.9	148.9	122.9
7.5°	182.8	181.5	180.8	181.1	179.6	178.6	175.8	172.8	169.5	165.2	132.6
10°	189.0	187.6	187.5	187.3	187.1	186.5	185.1	182.5	179.5	176.1	138.1
12.5°	205.1	202.1	200.1	197.8	194.9	191.3	188.3	186.0	184.8	182.1	140.6
15°	235.5	232.7	230.5	227.5	222.2	214.4	207.3	198.1	190.1	185.5	139.6
17.5°	250.8	249.5	247.7	245.7	242.0	236.4	229.0	219.4	209.3	196.1	134.7
20°	255.3	254.7	253.3	252.5	250.0	246.0	241.0	233.5	224.1	211.1	127.2
22.5°	253.5	254.0	254.7	256.8	257.2	254.3	249.7	242.5	232.9	220.9	115.8
25°	253.5	253.2	253.2	257.7	260.5	259.2	255.8	249.3	239.5	225.9	101.6
27.5°	260.0	258.0	253.8	258.5	263.1	262.6	259.7	252.0	241.0	226.1	84.3
30°	270.6	266.3	259.5	263.8	268.1	266.3	261.5	251.7	237.7	218.7	63.2
32.5°	282.4	280.4	276.9	279.8	279.1	271.8	263.1	249.5	230.9	204.1	42.6
35°	286.1	286.4	284.1	283.6	279.8	272.3	263.1	243.3	216.6	179.6	25.3
37.5°	287.3	287.4	283.8	279.1	273.5	264.6	253.7	230.7	190.1	156.0	13.5
40°	281.4	281.3	275.3	269.6	263.3	254.7	238.7	204.1	165.0	135.2	4.8
42.5°	272.8	270.6	265.0	258.0	250.3	239.5	214.6	172.3	143.4	108.3	0.3
45°	254.0	252.0	247.5	240.0	231.5	216.2	176.8	148.0	116.6	78.8	0.0
47.5°	193.1	192.1	196.8	197.8	197.6	180.1	147.5	120.8	85.7	45.9	0.0
50°	175.8	174.5	169.8	163.8	153.2	138.6	118.3	89.5	50.2	14.6	0.0
52.5°	126.2	130.6	131.6	127.1	117.1	102.6	81.5	51.6	17.5	0.0	0.0
55°	51.4	48.7	50.7	53.2	55.2	50.7	37.6	18.3	0.2	0.0	0.0
57.5°	0.0	0.2	1.0	2.3	3.8	4.8	5.2	0.3	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1315860

CATALOG NUMBER: P3SQAS02R559827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	95.6	95.6	95.6	95.6	95.6
2.5°	96.0	81.2	66.9	59.0	55.2
5°	92.5	62.0	38.4	26.6	22.1
7.5°	86.7	42.6	15.3	6.3	4.5
10°	78.2	24.5	4.2	1.7	1.5
12.5°	66.0	11.1	1.5	1.2	1.2
15°	52.6	3.8	0.8	0.7	0.5
17.5°	36.9	1.0	0.3	0.0	0.0
20°	22.5	0.2	0.0	0.0	0.0
22.5°	12.5	0.0	0.0	0.0	0.0
25°	6.2	0.0	0.0	0.0	0.0
27.5°	2.7	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.3	0.2	0.2	0.0	0.0
80°	0.3	0.2	0.2	0.0	0.0
82.5°	0.3	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.3	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)