

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: P1316728

Luminaire Tested: P3SQAS02R509830DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R509830DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

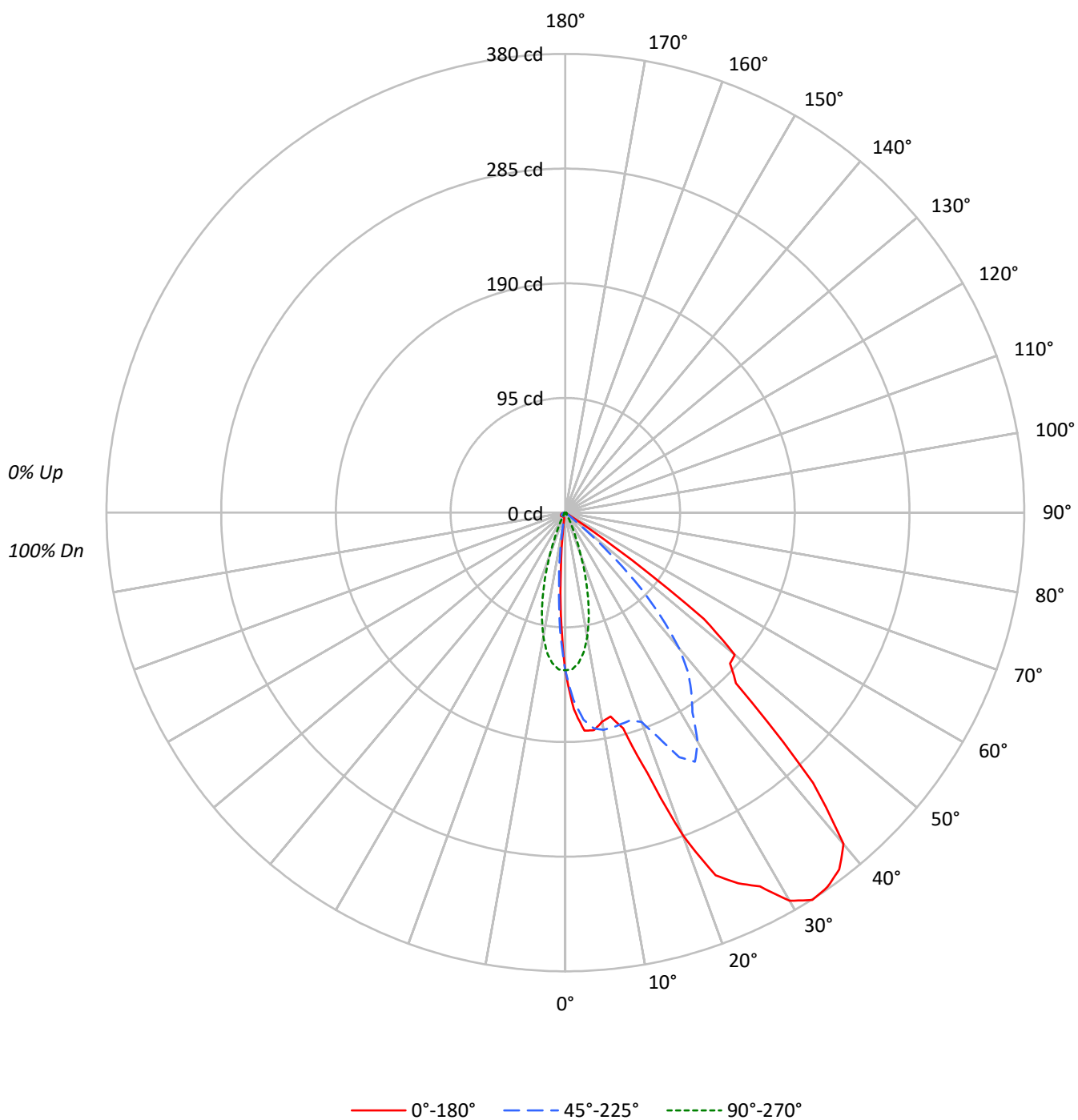
Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316728

CATALOG NUMBER: P3SQAS02R509830DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316728

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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	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22475	22475	22475	22475	22475
5°	31343	29735	21610	10390	6742
10°	30761	31950	18257	2186	944
15°	32985	32290	12909	767	731
20°	52105	33814	6818	660	696
25°	64381	42471	2717	608	684
30°	73819	43552	1094	597	716
35°	79578	38223	484	631	799
40°	80553	32914	360	719	877
45°	48688	21336	341	779	999
50°	49058	3697	375	911	1152
55°	14503	210	420	1021	1291
60°	241	241	448	1102	1412
65°	204	204	448	1182	1549
70°	252	252	453	1259	1712
75°	266	266	466	1331	1797
80°	198	397	496	1289	1984
85°	395	790	790	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 55605 cd/sqm

TEST NUMBER: P1316728

CATALOG NUMBER: P3SQAS02R509830DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	5.2
10°-20°	26.2	12.9
20°-30°	49.1	24.2
30°-40°	58.7	28.9
40°-50°	42.1	20.7
50°-60°	13.0	6.4
60°-70°	1.7	0.8
70°-80°	1.2	0.6
80°-90°	0.5	0.3
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°	85.9	42.3
0°-40°	144.5	71.2
0°-60°	199.6	98.3
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	181	172	125	60	39	17
15°	185	181	72	4	4	59
25°	339	224	14	3	4	156
35°	378	182	2	3	4	235
45°	200	88	1	3	4	184
55°	48	1	1	3	4	62
65°	0	0	1	3	4	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1316728

CATALOG NUMBER: P3SQAS02R509830DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	163.2	163.6	164.1	162.7	161.8	161.1	159.8	159.5	156.4	155.2	153.9
5°	181.3	180.9	181.3	180.7	180.4	179.3	178.2	176.5	174.5	172.0	169.1
7.5°	181.8	181.5	182.2	182.2	182.9	182.9	182.9	183.1	182.0	180.2	177.7
10°	175.9	175.9	176.6	176.3	177.5	178.1	179.3	181.5	182.5	182.7	182.0
12.5°	172.9	172.9	173.1	172.3	172.7	173.2	174.7	177.2	179.7	182.2	183.6
15°	185.0	185.4	182.9	179.3	176.6	173.8	172.9	174.5	177.2	181.1	184.3
17.5°	226.3	226.9	224.2	215.6	207.4	195.6	185.0	179.9	177.0	180.2	184.5
20°	284.3	282.3	277.7	268.5	256.6	238.3	221.9	205.2	189.3	184.5	185.9
22.5°	325.2	324.5	320.7	310.5	300.2	283.2	262.3	239.0	216.0	201.3	193.6
25°	338.8	338.3	334.9	328.8	323.1	310.2	291.4	268.0	243.9	223.5	204.2
27.5°	349.0	348.3	342.9	336.1	330.2	317.2	300.0	282.3	260.1	232.6	202.9
30°	371.2	369.2	361.7	349.5	338.3	320.2	301.2	279.3	249.2	219.0	190.0
32.5°	380.5	379.4	372.9	363.1	350.8	327.2	298.4	261.6	222.0	195.9	174.8
35°	378.5	376.9	370.3	359.0	344.0	321.3	282.8	232.2	200.1	181.8	158.0
37.5°	372.6	370.3	362.4	349.2	330.9	301.2	251.0	208.5	187.7	167.2	135.2
40°	358.3	354.5	345.4	331.6	313.4	274.4	222.0	194.2	174.8	146.4	109.6
42.5°	303.6	301.6	306.1	303.8	287.7	241.7	201.5	181.1	154.5	118.4	79.4
45°	199.9	203.3	211.3	225.1	228.3	207.9	184.7	159.7	127.1	87.6	45.8
47.5°	185.0	184.3	186.3	189.0	189.5	180.9	159.8	131.9	94.4	50.1	12.7
50°	183.1	182.0	180.4	177.2	170.4	153.8	129.8	96.2	54.5	13.8	0.9
52.5°	144.6	143.6	143.6	138.9	130.2	114.1	89.6	52.9	15.2	0.9	0.7
55°	48.3	51.5	51.0	50.8	54.7	50.4	38.6	13.6	1.3	0.7	0.7
57.5°	0.9	0.9	0.9	1.6	2.5	3.6	2.1	1.1	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
77.5°	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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: P1316728

CATALOG NUMBER: P3SQAS02R509830DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	151.1	148.6	143.7	130.0	114.8	97.4	85.6	84.2
5°	164.7	160.9	153.0	125.0	90.3	60.1	44.7	39.0
7.5°	173.6	168.6	158.9	116.7	65.8	31.6	17.0	13.6
10°	179.0	174.3	162.0	104.4	41.8	12.5	5.7	5.4
12.5°	181.8	177.4	163.1	89.6	23.6	5.7	4.5	4.5
15°	183.8	179.0	161.4	72.4	11.8	4.3	4.1	4.1
17.5°	184.7	178.8	156.8	54.5	6.3	3.9	3.9	3.9
20°	185.2	176.8	148.2	37.2	4.3	3.6	3.8	3.8
22.5°	185.8	172.0	136.9	23.6	3.4	3.4	3.6	3.6
25°	184.7	163.6	121.0	14.3	3.0	3.2	3.4	3.6
27.5°	177.0	150.9	101.7	8.8	2.7	3.0	3.4	3.6
30°	163.8	132.3	79.4	5.5	2.5	3.0	3.4	3.6
32.5°	146.6	111.0	56.7	3.4	2.5	3.0	3.4	3.6
35°	123.5	84.9	36.8	2.3	2.5	3.0	3.6	3.8
37.5°	97.6	59.4	19.8	1.8	2.5	3.0	3.6	3.8
40°	70.3	35.6	7.2	1.6	2.3	3.2	3.8	3.9
42.5°	41.1	13.2	1.3	1.4	2.3	3.2	3.8	3.9
45°	11.8	1.4	0.7	1.4	2.3	3.2	3.9	4.1
47.5°	0.9	0.5	0.7	1.4	2.3	3.2	3.9	4.3
50°	0.5	0.5	0.5	1.4	2.3	3.4	4.1	4.3
52.5°	0.7	0.7	0.7	1.4	2.3	3.4	4.1	4.3
55°	0.7	0.7	0.7	1.4	2.3	3.4	4.1	4.3
57.5°	0.7	0.7	0.7	1.4	2.3	3.2	4.1	4.3
60°	0.7	0.7	0.7	1.3	2.1	3.2	3.9	4.1
62.5°	0.7	0.7	0.7	1.3	2.1	3.0	3.9	3.9
65°	0.7	0.7	0.7	1.1	2.0	2.9	3.6	3.8
67.5°	0.7	0.7	0.7	1.1	1.8	2.7	3.4	3.6
70°	0.5	0.7	0.7	0.9	1.6	2.5	3.2	3.4
72.5°	0.5	0.5	0.7	0.9	1.4	2.1	2.9	3.0
75°	0.5	0.5	0.5	0.7	1.3	2.0	2.5	2.7
77.5°	0.5	0.5	0.5	0.7	1.1	1.6	2.3	2.3
80°	0.4	0.5	0.5	0.5	0.9	1.3	1.8	2.0
82.5°	0.4	0.4	0.4	0.5	0.7	1.1	1.4	1.4
85°	0.4	0.4	0.4	0.4	0.5	0.7	0.9	0.9
87.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)