

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: P1317604

Luminaire Tested: P3SQAS02R509835DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317604
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: P3SQAS02R509835DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

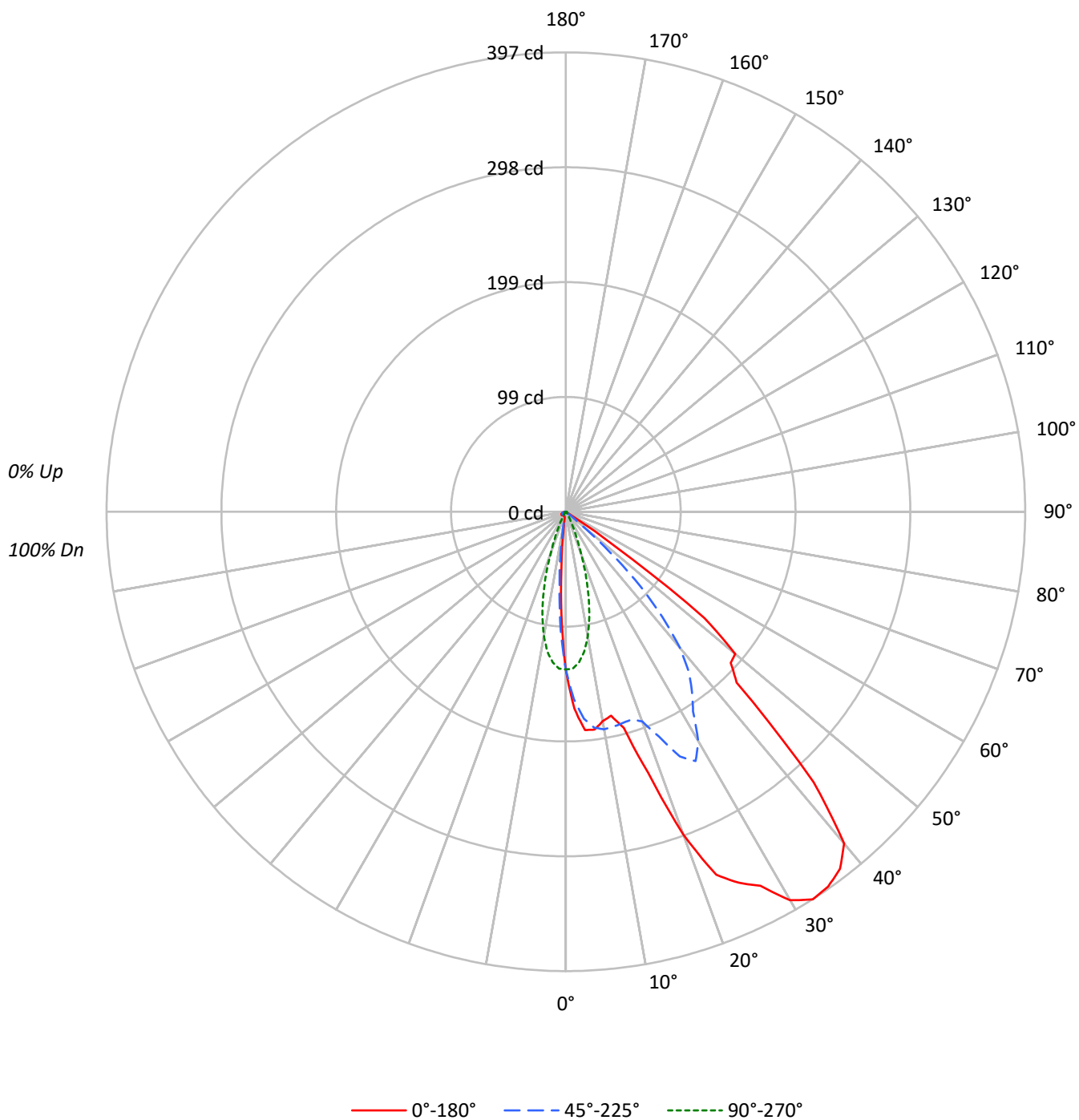
Lumens per Lamp: N/A
Luminaire Lumens: 212.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317604

CATALOG NUMBER: P3SQAS02R509835DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317604

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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	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	92	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	67	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23474	23474	23474	23474	23474
5°	32726	31049	22561	10840	7036
10°	32125	33367	19062	2291	979
15°	34447	33716	13479	802	767
20°	54414	35317	7111	678	715
25°	67231	44352	2831	646	703
30°	77080	45481	1153	636	736
35°	83110	39926	505	673	820
40°	84128	34375	382	764	922
45°	50831	22286	365	828	1047
50°	51228	3858	402	938	1206
55°	15133	210	450	1051	1351
60°	241	241	448	1171	1481
65°	245	245	448	1223	1589
70°	302	302	453	1309	1762
75°	266	266	466	1397	1863
80°	198	397	595	1289	2083
85°	395	790	790	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 58065 cd/sqm

TEST NUMBER: P1317604

CATALOG NUMBER: P3SQAS02R509835DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	5.2
10°-20°	27.4	12.9
20°-30°	51.3	24.2
30°-40°	61.3	28.9
40°-50°	43.9	20.7
50°-60°	13.5	6.4
60°-70°	1.8	0.8
70°-80°	1.3	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°	89.6	42.3
0°-40°	150.9	71.2
0°-60°	208.4	98.3
0°-90°	212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	212.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	136	136	136	136	136	
5°	189	180	130	63	41	18
15°	193	189	76	4	4	62
25°	354	233	15	3	4	163
35°	395	190	2	3	4	245
45°	209	92	2	3	4	192
55°	50	1	2	4	4	65
65°	1	1	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: P1317604

CATALOG NUMBER: P3SQAS02R509835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
2.5°	170.5	170.8	171.4	169.9	169.0	168.2	166.9	166.5	163.4	162.1	160.8
5°	189.3	189.0	189.3	188.8	188.4	187.3	186.1	184.3	182.2	179.6	176.6
7.5°	189.9	189.5	190.3	190.3	191.0	191.0	191.0	191.2	190.1	188.2	185.6
10°	183.7	183.7	184.5	184.1	185.4	186.0	187.3	189.5	190.6	190.8	190.1
12.5°	180.5	180.5	180.7	180.0	180.4	180.9	182.4	185.0	187.6	190.3	191.8
15°	193.2	193.6	191.0	187.3	184.5	181.5	180.5	182.2	185.0	189.1	192.5
17.5°	236.4	236.9	234.1	225.2	216.6	204.3	193.2	187.8	184.8	188.2	192.7
20°	296.9	294.8	290.0	280.4	267.9	248.9	231.7	214.3	197.7	192.7	194.2
22.5°	339.6	338.9	335.0	324.3	313.5	295.7	273.9	249.6	225.5	210.2	202.2
25°	353.8	353.3	349.7	343.4	337.4	323.9	304.3	279.9	254.7	233.4	213.2
27.5°	364.5	363.7	358.1	351.0	344.9	331.2	313.3	294.8	271.7	242.9	211.9
30°	387.6	385.6	377.7	365.0	353.3	334.4	314.6	291.6	260.3	228.7	198.5
32.5°	397.3	396.2	389.5	379.2	366.3	341.7	311.6	273.2	231.9	204.6	182.6
35°	395.3	393.6	386.7	374.9	359.2	335.5	295.4	242.5	208.9	189.9	165.1
37.5°	389.1	386.7	378.5	364.6	345.6	314.6	262.1	217.7	196.0	174.6	141.2
40°	374.2	370.2	360.7	346.3	327.3	286.6	231.9	202.8	182.6	152.9	114.5
42.5°	317.0	315.0	319.6	317.2	300.4	252.4	210.4	189.1	161.3	123.6	82.9
45°	208.7	212.3	220.7	235.1	238.4	217.1	192.9	166.7	132.8	91.5	47.8
47.5°	193.2	192.5	194.6	197.4	197.9	189.0	166.9	137.8	98.6	52.3	13.3
50°	191.2	190.1	188.4	185.0	177.9	160.6	135.6	100.4	56.9	14.4	0.9
52.5°	151.0	149.9	149.9	145.1	135.9	119.1	93.5	55.3	15.9	0.9	0.7
55°	50.4	53.8	53.2	53.0	57.1	52.7	40.3	14.2	1.3	0.7	0.7
57.5°	0.9	0.9	0.9	1.7	2.6	3.7	2.2	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
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: P1317604

CATALOG NUMBER: P3SQAS02R509835DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
2.5°	157.8	155.2	150.1	135.7	119.9	101.8	89.4	87.9
5°	172.0	168.0	159.8	130.5	94.3	62.7	46.7	40.7
7.5°	181.3	176.1	166.0	121.9	68.7	33.0	17.7	14.2
10°	186.9	182.0	169.2	109.0	43.7	13.1	6.0	5.6
12.5°	189.9	185.2	170.3	93.5	24.6	6.0	4.7	4.7
15°	191.9	186.9	168.6	75.6	12.3	4.5	4.3	4.3
17.5°	192.9	186.7	163.7	56.9	6.5	4.1	4.1	4.1
20°	193.4	184.7	154.8	38.8	4.5	3.7	3.9	3.9
22.5°	194.0	179.6	143.0	24.6	3.5	3.5	3.7	3.7
25°	192.9	170.8	126.4	14.9	3.2	3.4	3.5	3.7
27.5°	184.8	157.6	106.2	9.1	2.8	3.2	3.5	3.7
30°	171.0	138.2	82.9	5.8	2.6	3.2	3.5	3.7
32.5°	153.1	115.9	59.2	3.5	2.6	3.2	3.5	3.7
35°	129.0	88.7	38.5	2.4	2.6	3.2	3.7	3.9
37.5°	101.9	62.0	20.7	1.9	2.6	3.2	3.7	3.9
40°	73.4	37.2	7.5	1.7	2.4	3.4	3.9	4.1
42.5°	42.9	13.8	1.3	1.5	2.4	3.4	3.9	4.1
45°	12.3	1.5	0.7	1.5	2.4	3.4	4.1	4.3
47.5°	0.9	0.6	0.7	1.5	2.4	3.4	4.1	4.5
50°	0.6	0.6	0.6	1.5	2.4	3.5	4.3	4.5
52.5°	0.7	0.7	0.7	1.5	2.4	3.5	4.3	4.5
55°	0.7	0.7	0.7	1.5	2.4	3.5	4.3	4.5
57.5°	0.7	0.7	0.7	1.5	2.4	3.4	4.3	4.5
60°	0.7	0.7	0.7	1.3	2.2	3.4	4.1	4.3
62.5°	0.7	0.7	0.7	1.3	2.2	3.2	4.1	4.1
65°	0.7	0.7	0.7	1.1	2.1	3.0	3.7	3.9
67.5°	0.7	0.7	0.7	1.1	1.9	2.8	3.5	3.7
70°	0.6	0.7	0.7	0.9	1.7	2.6	3.4	3.5
72.5°	0.6	0.6	0.7	0.9	1.5	2.2	3.0	3.2
75°	0.6	0.6	0.6	0.7	1.3	2.1	2.6	2.8
77.5°	0.6	0.6	0.6	0.7	1.1	1.7	2.4	2.4
80°	0.4	0.6	0.6	0.6	0.9	1.3	1.9	2.1
82.5°	0.4	0.4	0.4	0.6	0.7	1.1	1.5	1.5
85°	0.4	0.4	0.4	0.4	0.6	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)