

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: P1305473

Luminaire Tested: P3SQAS02R509024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305473
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: P3SQAS02R509024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

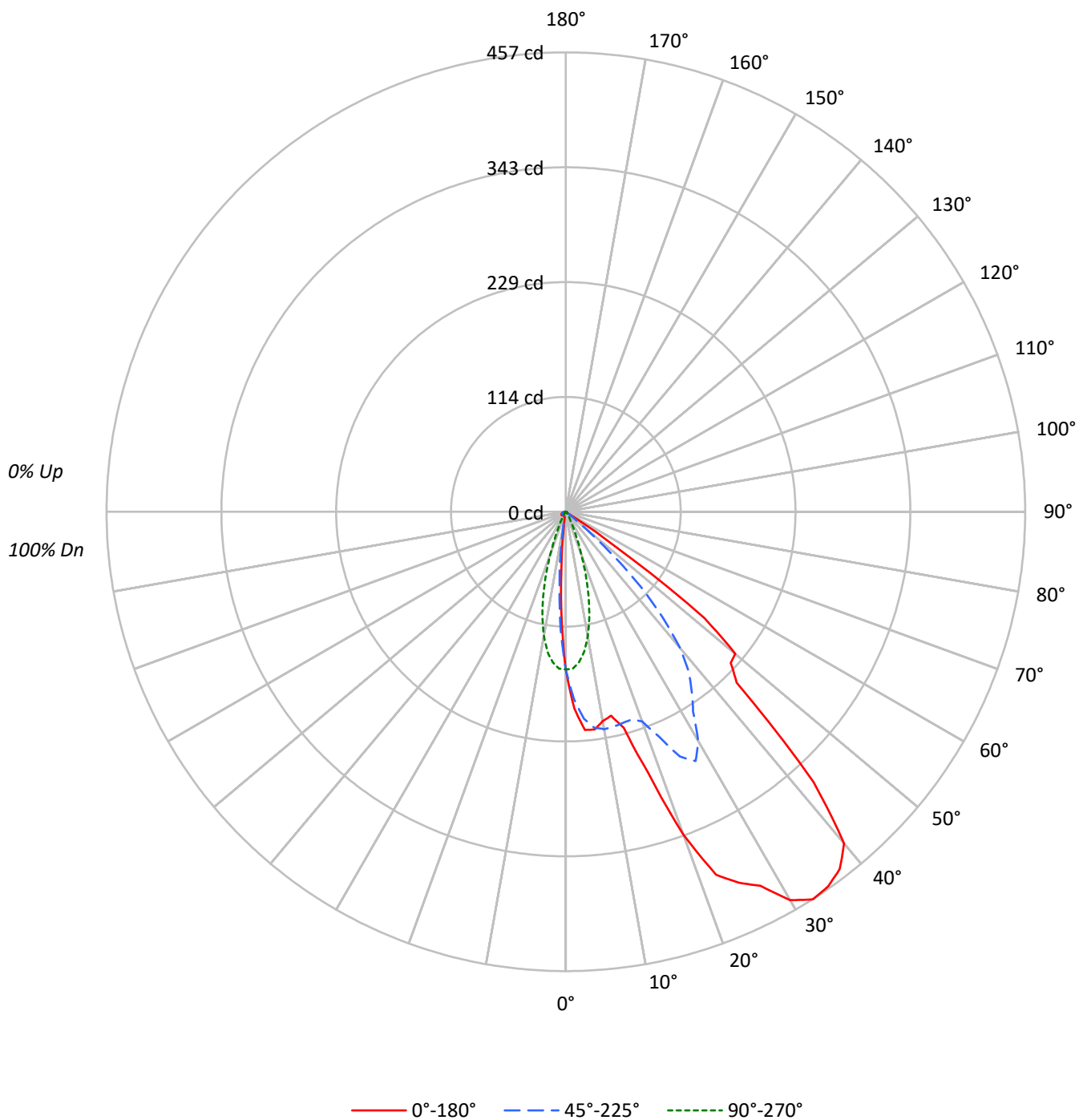
Lumens per Lamp: N/A
Luminaire Lumens: 244.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305473

CATALOG NUMBER: P3SQAS02R509024DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305473

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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	93	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	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27022	27022	27022	27022	27022
5°	37671	35734	25967	12482	8091
10°	36987	38404	21947	2623	1119
15°	39653	38815	15512	927	874
20°	62625	40651	8192	788	825
25°	77379	51041	3268	741	817
30°	88714	52341	1332	736	855
35°	95640	45939	589	778	946
40°	96808	39568	427	877	1057
45°	58503	25647	414	950	1193
50°	58945	4421	455	1099	1393
55°	17415	270	510	1231	1561
60°	310	310	517	1343	1688
65°	245	245	530	1386	1834
70°	302	302	554	1511	2065
75°	266	266	599	1597	2129
80°	198	397	595	1488	2380
85°	395	790	790	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 66833 cd/sqm

TEST NUMBER: P1305473

CATALOG NUMBER: P3SQAS02R509024DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	5.2
10°-20°	31.5	12.9
20°-30°	59.0	24.2
30°-40°	70.6	28.9
40°-50°	50.6	20.7
50°-60°	15.6	6.4
60°-70°	2.0	0.8
70°-80°	1.5	0.6
80°-90°	0.6	0.2
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°	103.2	42.3
0°-40°	173.7	71.2
0°-60°	239.9	98.3
0°-90°	244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	157	157	157	157	157	
5°	218	207	150	72	47	20
15°	222	218	87	5	5	71
25°	407	269	17	4	4	188
35°	455	218	3	4	4	282
45°	240	105	2	4	5	221
55°	58	1	2	4	5	75
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: P1305473

CATALOG NUMBER: P3SQAS02R509024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	196.2	196.6	197.3	195.6	194.5	193.6	192.1	191.7	188.0	186.5	185.0
5°	217.9	217.5	217.9	217.3	216.8	215.5	214.2	212.1	209.7	206.7	203.3
7.5°	218.5	218.1	219.0	219.0	219.8	219.8	219.8	220.0	218.8	216.6	213.6
10°	211.5	211.5	212.3	211.9	213.4	214.0	215.5	218.1	219.4	219.6	218.8
12.5°	207.8	207.8	208.0	207.2	207.6	208.2	209.9	213.0	216.0	219.0	220.7
15°	222.4	222.8	219.8	215.5	212.3	208.9	207.8	209.7	213.0	217.7	221.6
17.5°	272.1	272.7	269.5	259.2	249.3	235.1	222.4	216.2	212.7	216.6	221.8
20°	341.7	339.3	333.7	322.8	308.4	286.5	266.7	246.7	227.6	221.8	223.5
22.5°	390.9	390.0	385.5	373.3	360.8	340.4	315.2	287.3	259.6	242.0	232.7
25°	407.2	406.6	402.5	395.2	388.3	372.8	350.3	322.1	293.1	268.6	245.4
27.5°	419.5	418.6	412.2	404.0	396.9	381.2	360.6	339.3	312.7	279.6	243.9
30°	446.1	443.8	434.7	420.1	406.6	384.9	362.1	335.7	299.6	263.2	228.4
32.5°	457.3	456.0	448.3	436.4	421.6	393.3	358.7	314.4	266.9	235.5	210.2
35°	454.9	453.0	445.0	431.5	413.5	386.2	340.0	279.1	240.5	218.5	190.0
37.5°	447.8	445.0	435.6	419.7	397.8	362.1	301.7	250.6	225.6	200.9	162.5
40°	430.6	426.1	415.2	398.6	376.7	329.9	266.9	233.4	210.2	176.0	131.7
42.5°	364.9	362.5	367.9	365.1	345.8	290.5	242.2	217.7	185.7	142.3	95.4
45°	240.2	244.3	254.0	270.5	274.4	249.9	222.0	191.9	152.8	105.3	55.0
47.5°	222.4	221.6	223.9	227.1	227.8	217.5	192.1	158.6	113.5	60.2	15.3
50°	220.0	218.8	216.8	213.0	204.8	184.8	156.0	115.6	65.5	16.5	1.1
52.5°	173.8	172.6	172.6	167.0	156.4	137.1	107.7	63.6	18.3	1.1	0.9
55°	58.0	61.9	61.2	61.0	65.8	60.6	46.4	16.3	1.5	0.9	0.9
57.5°	1.1	1.1	1.1	1.9	3.0	4.3	2.6	1.3	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9
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: P1305473

CATALOG NUMBER: P3SQAS02R509024DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	181.6	178.6	172.8	156.2	138.0	117.1	102.9	101.2
5°	197.9	193.4	183.9	150.2	108.5	72.2	53.7	46.8
7.5°	208.7	202.6	191.0	140.3	79.1	38.0	20.4	16.3
10°	215.1	209.5	194.7	125.5	50.3	15.0	6.9	6.4
12.5°	218.5	213.2	196.0	107.7	28.4	6.9	5.4	5.4
15°	220.9	215.1	194.0	87.0	14.2	5.2	4.9	4.9
17.5°	222.0	214.9	188.5	65.5	7.5	4.7	4.7	4.7
20°	222.6	212.5	178.1	44.7	5.2	4.3	4.5	4.5
22.5°	223.3	206.7	164.6	28.4	4.1	4.1	4.3	4.3
25°	222.0	196.6	145.5	17.2	3.7	3.9	4.1	4.3
27.5°	212.7	181.4	122.3	10.5	3.2	3.7	4.1	4.3
30°	196.8	159.0	95.4	6.7	3.0	3.7	4.1	4.3
32.5°	176.2	133.4	68.1	4.1	3.0	3.7	4.1	4.3
35°	148.5	102.1	44.3	2.8	3.0	3.7	4.3	4.5
37.5°	117.3	71.3	23.9	2.1	3.0	3.7	4.3	4.5
40°	84.5	42.8	8.6	1.9	2.8	3.9	4.5	4.7
42.5°	49.4	15.9	1.5	1.7	2.8	3.9	4.5	4.7
45°	14.2	1.7	0.9	1.7	2.8	3.9	4.7	4.9
47.5°	1.1	0.6	0.9	1.7	2.8	3.9	4.7	5.2
50°	0.6	0.6	0.6	1.7	2.8	4.1	4.9	5.2
52.5°	0.9	0.9	0.9	1.7	2.8	4.1	4.9	5.2
55°	0.9	0.9	0.9	1.7	2.8	4.1	4.9	5.2
57.5°	0.9	0.9	0.9	1.7	2.8	3.9	4.9	5.2
60°	0.9	0.9	0.9	1.5	2.6	3.9	4.7	4.9
62.5°	0.9	0.9	0.9	1.5	2.6	3.7	4.7	4.7
65°	0.9	0.9	0.9	1.3	2.4	3.4	4.3	4.5
67.5°	0.9	0.9	0.9	1.3	2.1	3.2	4.1	4.3
70°	0.6	0.9	0.9	1.1	1.9	3.0	3.9	4.1
72.5°	0.6	0.6	0.9	1.1	1.7	2.6	3.4	3.7
75°	0.6	0.6	0.6	0.9	1.5	2.4	3.0	3.2
77.5°	0.6	0.6	0.6	0.9	1.3	1.9	2.8	2.8
80°	0.4	0.6	0.6	0.6	1.1	1.5	2.1	2.4
82.5°	0.4	0.4	0.4	0.6	0.9	1.3	1.7	1.7
85°	0.4	0.4	0.4	0.4	0.6	0.9	1.1	1.1
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)