

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: P1305504

Luminaire Tested: P3SQASS02R709024DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R709024DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

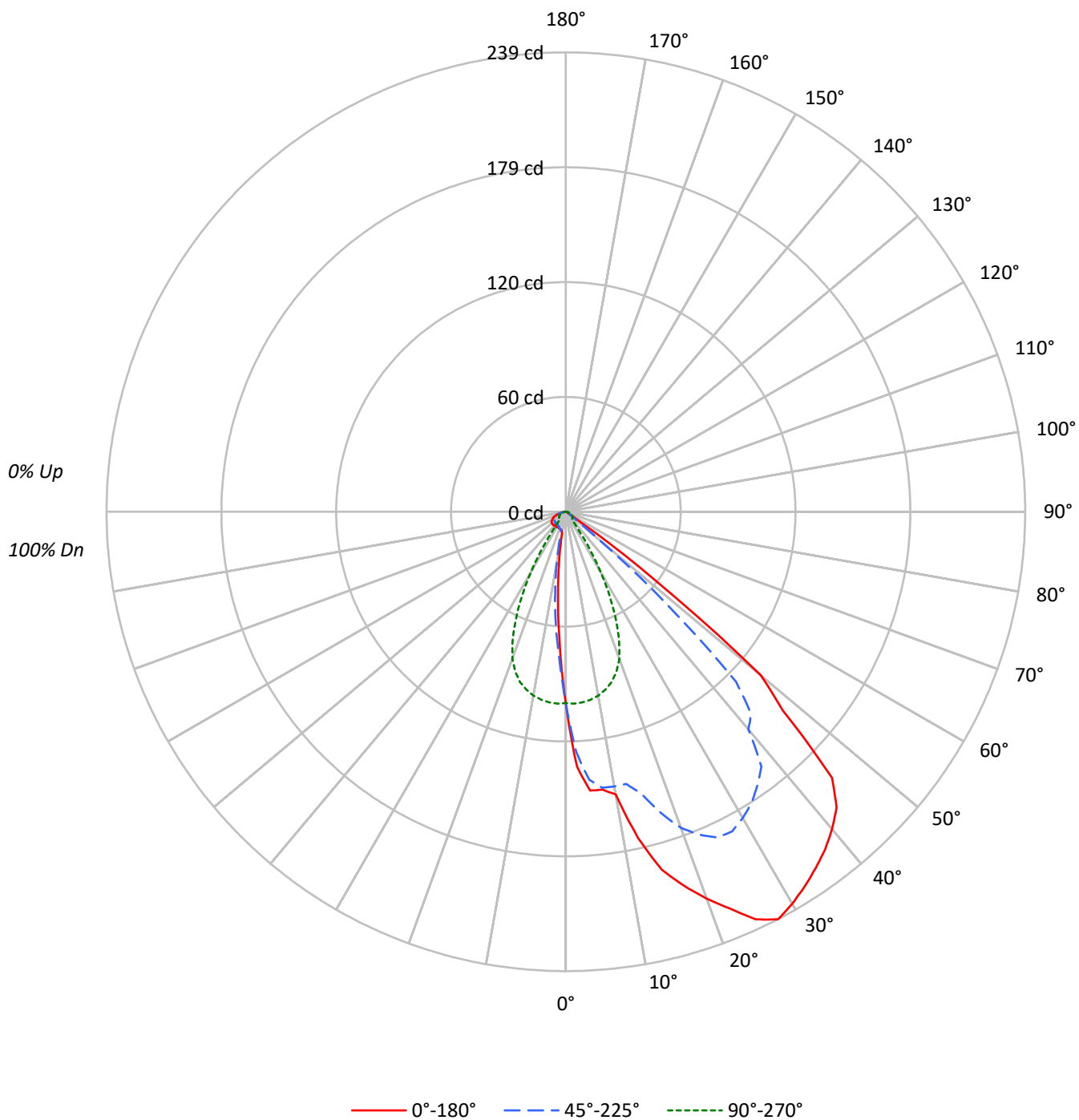
Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102		109	106	103	101		102	100	98		98	96	95		95	93	92
2	104	98	93	89		102	96	92	88		93	89	86		90	87	84		87	84	82
3	97	89	83	78		95	87	82	77		85	80	76		82	78	74		80	76	73
4	90	81	74	68		88	80	73	68		77	72	67		75	70	66		73	69	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	67	60	54		77	66	59	54		65	58	54		63	58	53		62	57	53
7	73	62	54	49		72	61	54	49		60	53	48		58	52	48		57	52	48
8	69	57	49	44		67	56	49	44		55	49	44		54	48	44		53	47	44
9	64	52	45	40		63	52	45	40		51	44	40		50	44	40		49	44	40
10	60	49	42	37		59	48	41	37		47	41	37		46	41	36		45	40	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17136	17136	17136	17136	17136
5°	25171	24203	17202	10269	8039
10°	26110	25392	16981	4914	1994
15°	34376	27066	16368	1765	1729
20°	39258	32073	14900	1686	1723
25°	44466	35535	11687	1634	1710
30°	46833	36591	7259	1611	1830
35°	47620	36520	2397	1661	1934
40°	48449	33228	1147	1776	2113
45°	47689	30494	1193	1875	2289
50°	35447	5627	1206	2063	2519
55°	2822	781	1291	2192	2702
60°	586	827	1240	2204	2790
65°	611	774	1223	2201	2893
70°	554	755	1209	2065	2820
75°	399	732	998	1996	2728
80°	397	595	1091	1884	2579
85°	395	790	1186	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 48274 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	4.8
10°-20°	25.5	13.5
20°-30°	42.8	22.6
30°-40°	51.4	27.2
40°-50°	40.8	21.6
50°-60°	13.0	6.9
60°-70°	3.6	1.9
70°-80°	2.2	1.2
80°-90°	0.7	0.4
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°	77.3	40.9
0°-40°	128.7	68.1
0°-60°	182.5	96.6
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	146	140	100	59	46	14
15°	193	152	92	10	10	54
25°	234	187	62	9	9	107
35°	226	174	11	8	9	142
45°	196	125	5	8	9	141
55°	9	3	4	7	9	30
65°	2	2	3	5	7	1
75°	1	1	2	3	4	1
85°	0	0	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	132.7	133.6	133.6	132.5	133.0	131.2	130.0	128.0	127.6	125.2	122.2
5°	145.6	145.2	145.2	144.3	144.8	144.1	143.5	143.0	141.8	140.0	138.3
7.5°	145.8	146.3	146.5	146.3	147.1	146.5	146.5	146.5	145.6	144.8	143.0
10°	149.3	148.6	148.0	146.5	145.6	145.0	145.0	145.2	145.6	145.2	144.1
12.5°	173.9	171.6	170.5	166.8	164.1	159.3	154.0	149.9	146.3	145.0	144.1
15°	192.8	192.4	190.2	186.8	183.4	177.8	171.6	165.3	158.7	151.8	146.9
17.5°	203.9	203.1	200.9	197.3	193.2	188.1	183.1	178.4	172.0	164.3	156.3
20°	214.2	212.3	209.5	205.2	201.2	196.2	190.9	186.4	181.0	175.0	165.8
22.5°	223.5	221.7	217.2	211.5	207.4	202.7	197.9	193.7	188.7	181.9	173.5
25°	234.0	230.1	222.8	215.3	210.4	206.5	203.1	199.7	194.5	187.0	177.1
27.5°	239.1	233.8	225.8	218.3	213.6	209.5	205.9	202.4	196.7	187.4	176.1
30°	235.5	232.5	226.9	221.1	217.2	213.4	209.1	203.9	194.7	184.0	173.5
32.5°	231.2	229.7	227.1	223.7	221.3	217.5	211.5	203.1	190.2	179.7	168.3
35°	226.5	225.8	225.0	223.5	222.0	218.3	210.8	198.6	185.7	173.7	162.8
37.5°	221.5	220.9	221.5	221.3	220.0	215.3	203.9	192.6	179.3	167.1	145.8
40°	215.5	215.1	216.2	217.2	215.7	209.5	197.3	183.6	171.8	147.8	140.5
42.5°	208.5	208.2	210.2	211.0	208.9	199.7	185.3	175.2	150.3	142.6	125.5
45°	195.8	196.2	197.1	198.2	196.9	186.8	173.7	155.3	144.3	125.2	71.4
47.5°	153.3	153.8	158.1	167.1	173.3	169.8	158.7	145.0	129.1	71.6	22.5
50°	132.3	131.9	132.1	134.2	139.2	143.9	140.5	133.0	77.0	21.0	2.8
52.5°	58.1	64.6	71.4	90.7	103.2	116.2	118.8	83.2	25.1	2.8	2.8
55°	9.4	9.9	12.4	18.2	32.8	49.5	60.0	27.9	2.6	2.6	2.6
57.5°	1.9	1.9	1.9	2.1	3.2	6.9	7.9	2.4	2.4	2.4	2.6
60°	1.7	1.7	1.7	1.7	1.9	1.9	1.9	2.1	2.1	2.4	2.4
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	2.1	2.1	2.4
65°	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.9	1.9	2.1
67.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.7	1.7	1.7	1.9
70°	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5	1.5	1.5
72.5°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.3	1.3	1.3
75°	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6
82.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	120.3	117.3	113.2	99.9	87.7	76.6	71.0	70.3
5°	135.5	132.7	125.9	99.5	76.1	59.4	49.3	46.5
7.5°	141.3	139.0	133.0	98.6	65.2	42.7	31.3	27.0
10°	142.8	141.3	136.2	97.1	53.8	28.1	14.8	11.4
12.5°	143.5	142.4	137.5	94.8	42.5	14.6	10.1	10.1
15°	144.5	143.5	138.8	91.8	31.3	9.9	9.7	9.7
17.5°	149.3	145.8	140.5	87.3	20.6	9.4	9.4	9.4
20°	157.0	149.5	141.3	81.3	12.9	9.2	9.2	9.4
22.5°	163.4	153.3	141.1	72.3	9.4	8.8	9.0	9.2
25°	166.2	155.1	139.2	61.5	8.1	8.6	9.0	9.0
27.5°	165.8	155.7	137.5	49.3	7.7	8.4	8.8	9.2
30°	163.4	154.0	133.6	36.5	7.3	8.1	8.8	9.2
32.5°	159.3	147.3	125.9	23.6	7.1	8.1	8.8	9.2
35°	146.0	136.6	114.7	11.4	6.9	7.9	9.0	9.2
37.5°	138.3	125.2	87.5	5.6	6.6	7.9	9.0	9.2
40°	125.9	93.5	39.5	5.1	6.6	7.9	9.0	9.4
42.5°	79.1	38.4	6.4	4.9	6.4	7.9	9.0	9.4
45°	29.0	5.1	3.4	4.9	6.4	7.7	9.0	9.4
47.5°	3.0	3.0	3.2	4.7	6.2	7.7	9.0	9.4
50°	2.8	3.0	3.2	4.5	6.0	7.7	8.8	9.4
52.5°	2.8	3.0	3.2	4.5	5.8	7.5	8.8	9.4
55°	2.8	3.0	3.0	4.3	5.6	7.3	8.6	9.0
57.5°	2.6	2.8	3.0	4.1	5.4	6.9	8.4	8.8
60°	2.6	2.8	3.0	3.6	5.1	6.4	7.9	8.1
62.5°	2.4	2.6	2.8	3.4	4.7	6.0	7.3	7.7
65°	2.4	2.4	2.6	3.0	4.3	5.4	6.6	7.1
67.5°	1.9	2.1	2.1	2.6	3.6	4.7	6.0	6.4
70°	1.7	1.7	1.9	2.4	3.2	4.1	5.1	5.6
72.5°	1.5	1.5	1.5	1.9	2.8	3.6	4.5	4.9
75°	1.3	1.3	1.3	1.5	2.4	3.0	3.9	4.1
77.5°	1.1	1.1	1.1	1.3	1.9	2.6	3.0	3.4
80°	0.9	0.9	0.9	1.1	1.5	1.9	2.4	2.6
82.5°	0.6	0.6	0.6	0.9	1.1	1.3	1.7	1.7
85°	0.4	0.4	0.4	0.6	0.6	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	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)