

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: P1312991

Luminaire Tested: P3SQAS02R659730DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R659730DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 97CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

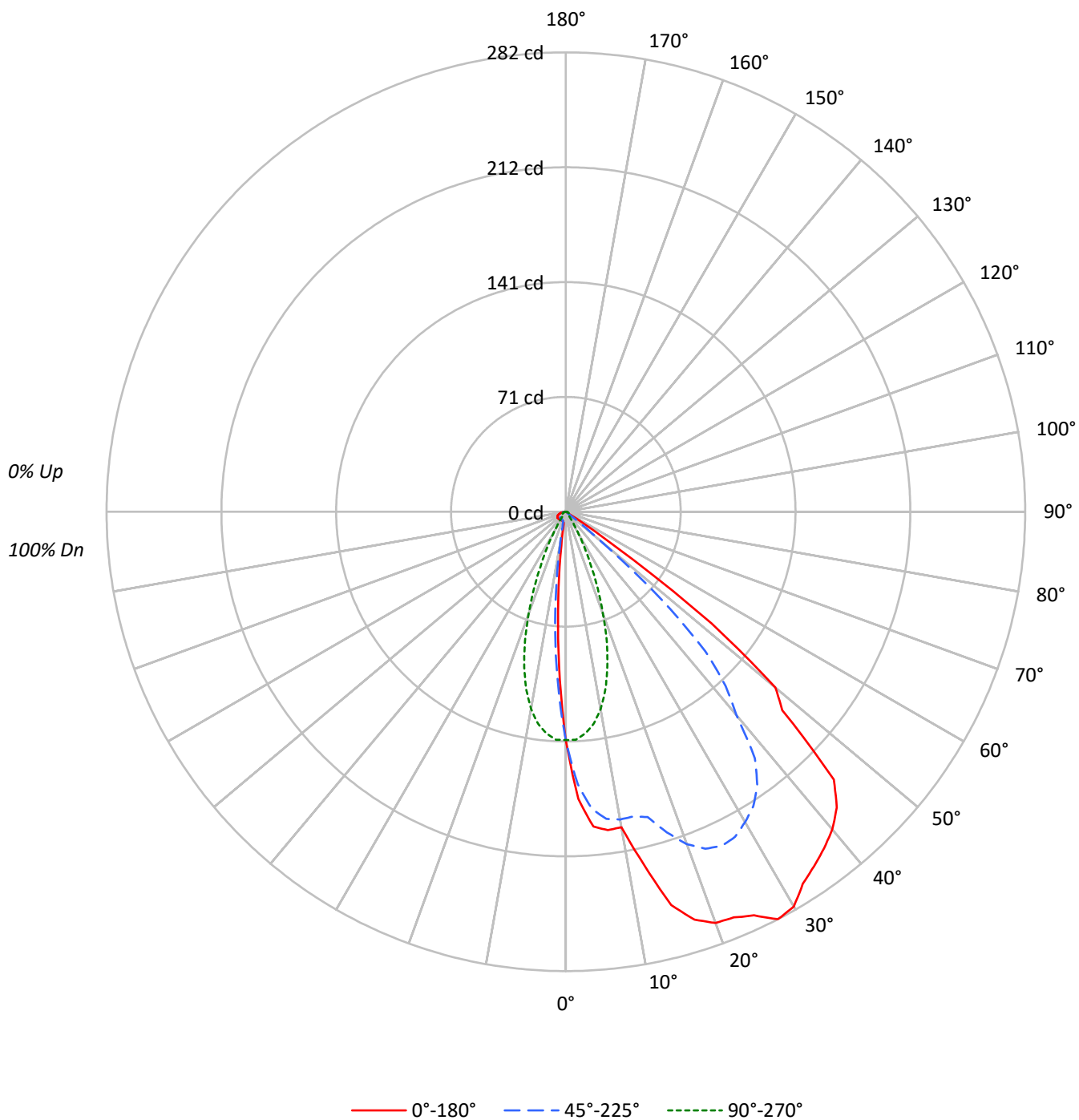
Lumens per Lamp: N/A
Luminaire Lumens: 210.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	83	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	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	56	66	60	55	64	59	55	63	58	54	54	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	49	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24128	24128	24128	24128	24128
5°	33539	31654	23615	12983	9128
10°	34381	33542	21493	3620	1329
15°	44557	34590	17580	1159	1123
20°	49228	39789	12243	1045	1081
25°	51953	43003	6917	988	1083
30°	55643	43750	3122	994	1134
35°	55841	43079	1009	1051	1240
40°	57217	36601	697	1124	1371
45°	56652	29495	682	1218	1486
50°	44959	6966	697	1340	1688
55°	10689	390	721	1501	1892
60°	379	448	827	1584	2032
65°	448	448	815	1671	2241
70°	352	453	755	1662	2316
75°	266	466	732	1730	2329
80°	198	397	893	1686	2380
85°	395	790	790	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 56774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	5.6
10°-20°	30.8	14.7
20°-30°	48.4	23.0
30°-40°	55.3	26.3
40°-50°	44.5	21.2
50°-60°	14.5	6.9
60°-70°	2.6	1.2
70°-80°	1.7	0.8
80°-90°	0.6	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°	90.9	43.3
0°-40°	146.2	69.6
0°-60°	205.1	97.7
0°-90°	210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	194	183	137	75	53	18
15°	250	194	99	6	6	70
25°	273	226	36	5	6	127
35°	266	205	5	5	6	167
45°	233	121	3	5	6	167
55°	36	1	2	5	6	51
65°	1	1	2	4	6	1
75°	0	1	1	3	4	1
85°	0	0	0	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°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	176.3	175.7	176.6	175.0	174.8	173.3	172.4	172.0	170.0	167.4	165.0
5°	194.0	191.4	192.0	191.8	190.7	190.1	189.2	188.1	185.5	183.1	180.0
7.5°	197.1	194.9	195.3	195.5	194.9	194.7	194.4	194.0	192.3	190.1	187.5
10°	196.6	194.4	194.2	193.6	192.9	193.1	193.1	193.1	192.7	191.8	191.0
12.5°	221.9	218.9	218.2	213.6	209.5	202.3	197.7	193.4	191.4	191.6	191.0
15°	249.9	249.7	247.5	243.1	236.1	229.6	219.1	211.2	201.2	194.0	191.0
17.5°	262.5	262.3	260.4	256.6	251.6	245.5	237.9	228.7	217.6	206.4	197.3
20°	268.6	270.2	268.0	264.9	260.1	254.5	247.3	239.0	228.5	217.1	206.2
22.5°	269.5	271.5	269.5	267.3	263.8	260.1	254.0	245.5	234.8	223.9	213.2
25°	273.4	274.1	270.0	267.1	263.8	261.2	256.4	249.0	238.1	226.3	215.8
27.5°	282.0	279.1	270.4	266.5	263.4	261.0	256.4	248.8	237.0	225.0	214.1
30°	279.8	278.7	271.0	267.3	264.7	262.3	256.6	246.8	232.6	220.0	208.6
32.5°	270.8	273.0	270.4	269.1	267.8	264.7	256.4	243.1	227.2	214.3	199.0
35°	265.6	268.2	268.4	268.4	266.9	262.3	252.5	237.7	221.7	204.9	184.4
37.5°	260.4	262.5	263.8	264.7	262.5	256.0	243.5	230.2	212.8	190.7	154.7
40°	254.5	256.0	257.1	257.5	254.2	245.7	234.4	219.3	199.7	162.8	138.1
42.5°	246.2	247.0	246.8	246.6	243.1	233.7	223.0	207.3	168.5	145.1	115.2
45°	232.6	231.8	233.1	233.1	228.5	221.5	207.3	176.8	150.8	121.1	74.2
47.5°	180.3	180.9	187.2	197.5	203.8	201.9	182.7	154.7	126.8	79.4	24.7
50°	167.8	167.2	167.4	168.5	169.1	163.7	149.9	130.7	83.8	26.0	1.7
52.5°	112.6	113.3	118.3	129.8	133.6	129.6	116.5	87.3	30.6	1.7	1.5
55°	35.6	38.0	40.8	46.9	57.6	64.4	63.1	31.0	2.0	1.3	1.5
57.5°	1.3	1.3	1.7	3.1	5.9	9.6	10.0	2.0	1.5	1.5	1.5
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9
75°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
80°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
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	0.2	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°	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
2.5°	163.7	161.1	155.8	140.1	123.7	107.4	97.1	94.5
5°	176.6	173.5	166.1	136.6	103.4	75.1	58.9	52.8
7.5°	184.4	180.7	172.0	131.2	80.5	43.6	26.2	21.0
10°	187.9	184.6	174.8	122.9	58.3	20.7	9.2	7.6
12.5°	189.4	186.8	175.9	112.0	38.0	9.2	6.8	6.5
15°	190.1	187.2	175.5	98.6	21.6	6.5	6.3	6.3
17.5°	190.7	187.5	172.8	83.4	12.0	6.1	5.9	6.1
20°	196.0	186.6	168.3	66.8	7.9	5.7	5.7	5.9
22.5°	201.2	186.4	160.2	51.1	6.1	5.5	5.7	5.7
25°	203.0	184.2	149.9	36.4	5.2	5.2	5.5	5.7
27.5°	199.7	177.9	136.2	24.7	4.6	5.2	5.5	5.7
30°	192.0	167.2	119.6	15.7	4.4	5.0	5.5	5.7
32.5°	177.9	146.0	101.0	9.4	4.1	5.0	5.7	5.7
35°	149.5	122.4	80.1	4.8	4.1	5.0	5.7	5.9
37.5°	130.7	102.1	55.9	3.3	4.1	5.0	5.7	5.9
40°	108.5	73.8	23.4	3.1	4.1	5.0	5.7	6.1
42.5°	75.1	32.1	3.7	2.8	3.9	5.0	5.9	6.1
45°	27.1	4.1	1.7	2.8	3.9	5.0	5.9	6.1
47.5°	2.4	1.5	1.7	2.8	3.9	5.0	5.9	6.3
50°	1.5	1.5	1.5	2.6	3.9	5.0	5.9	6.3
52.5°	1.5	1.5	1.5	2.6	3.7	5.0	6.1	6.3
55°	1.5	1.5	1.5	2.4	3.7	5.0	5.9	6.3
57.5°	1.5	1.5	1.7	2.4	3.7	4.8	5.9	6.1
60°	1.5	1.5	1.5	2.4	3.5	4.6	5.7	5.9
62.5°	1.3	1.5	1.5	2.2	3.3	4.4	5.5	5.7
65°	1.3	1.3	1.5	2.0	3.1	4.1	5.0	5.5
67.5°	1.1	1.3	1.3	1.7	2.6	3.7	4.6	5.0
70°	1.1	1.1	1.1	1.5	2.4	3.3	4.4	4.6
72.5°	0.9	1.1	1.1	1.3	2.0	2.8	3.7	4.1
75°	0.9	0.9	0.9	1.1	1.7	2.6	3.3	3.5
77.5°	0.7	0.7	0.9	0.9	1.5	2.0	2.8	3.1
80°	0.7	0.7	0.7	0.9	1.1	1.7	2.2	2.4
82.5°	0.4	0.4	0.4	0.7	0.9	1.1	1.5	1.7
85°	0.4	0.4	0.4	0.4	0.7	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)