

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: P1308699

Luminaire Tested: P3SQAS02R609035DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R609035DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

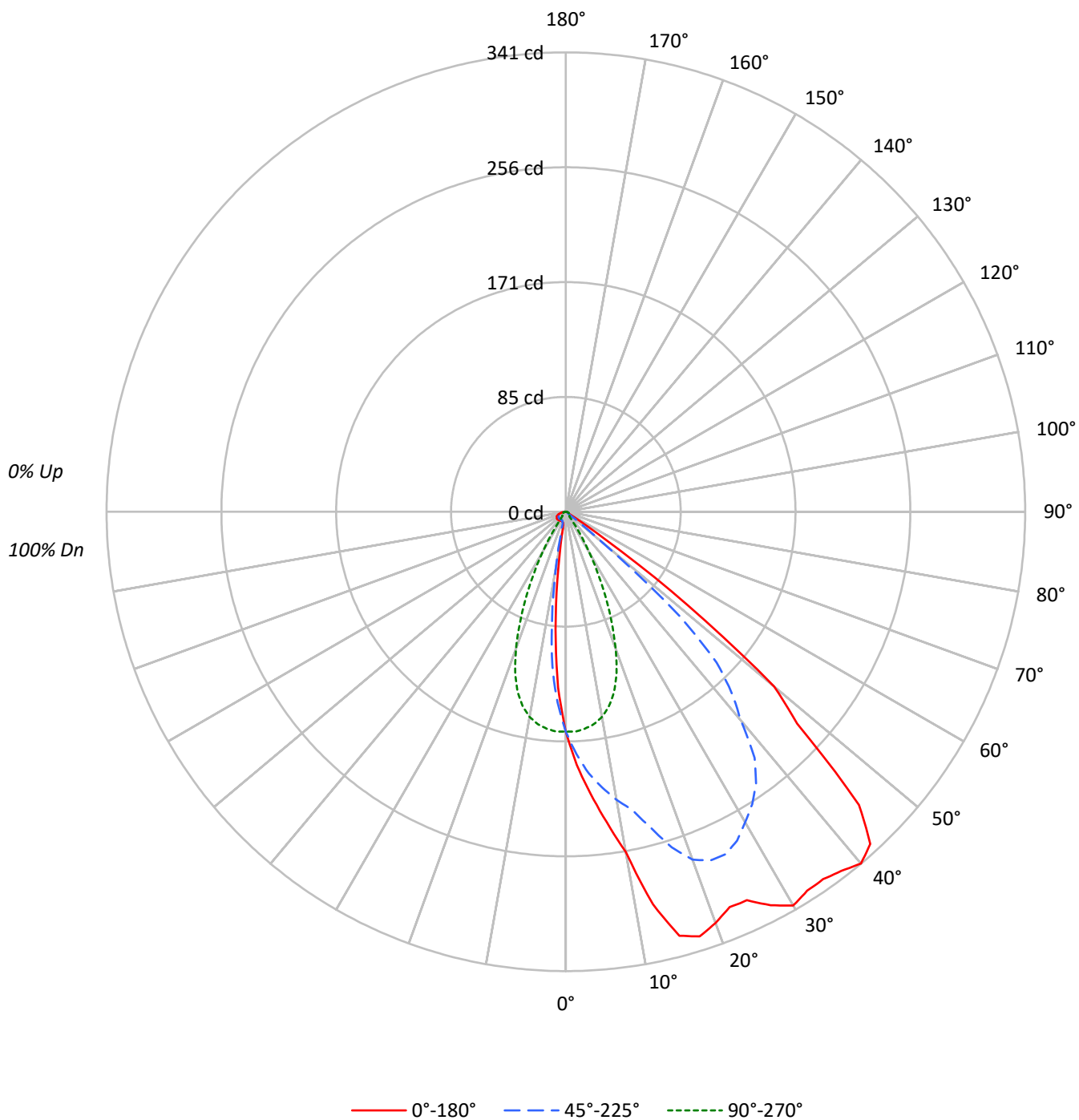
Lumens per Lamp: N/A
Luminaire Lumens: 265.1 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	101	102	100	98	99	97	95	95	94	92	92	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	83	83	81
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	54	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	41	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28090	28090	28090	28090	28090
5°	36288	33694	27937	19899	15179
10°	44839	37984	27036	7520	2238
15°	58089	43219	24676	1658	1480
20°	59528	50346	19849	1375	1430
25°	60466	53302	13321	1330	1425
30°	67117	52938	6861	1352	1491
35°	70012	51762	1892	1430	1640
40°	76619	45391	899	1529	1799
45°	74943	38580	926	1656	2022
50°	54042	9512	1018	1822	2224
55°	10359	601	1051	1952	2492
60°	517	620	1033	2067	2687
65°	530	611	1019	2160	2853
70°	504	655	1007	2165	2921
75°	532	665	998	2196	2994
80°	298	793	992	2281	2975
85°	593	593	988	1976	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74943 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	5.3
10°-20°	39.2	14.8
20°-30°	60.3	22.7
30°-40°	70.7	26.7
40°-50°	56.7	21.4
50°-60°	17.6	6.6
60°-70°	3.4	1.3
70°-80°	2.2	0.8
80°-90°	0.8	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°	113.6	42.9
0°-40°	184.4	69.5
0°-60°	258.7	97.6
0°-90°	265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	163	163	163	163	163	
5°	210	195	162	115	88	21
15°	326	242	138	9	8	89
25°	318	280	70	7	8	150
35°	333	246	9	7	8	211
45°	308	158	4	7	8	220
55°	34	2	4	6	8	55
65°	1	2	2	5	7	1
75°	1	1	2	3	4	1
85°	0	0	0	1	2	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°	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1
2.5°	188.1	186.1	186.1	185.4	184.6	184.9	182.9	183.6	181.6	180.1	178.9
5°	209.9	207.4	207.2	205.9	204.7	203.7	201.2	199.7	196.7	194.9	191.1
7.5°	232.4	230.4	229.2	227.7	225.4	222.9	218.7	215.9	211.2	206.4	201.7
10°	256.4	254.7	251.9	250.2	243.9	239.9	234.2	230.4	223.4	217.2	209.9
12.5°	298.5	297.5	292.2	288.7	279.7	271.7	259.2	249.2	236.7	226.4	216.7
15°	325.8	324.5	321.7	318.5	312.7	303.7	292.5	278.5	261.0	242.4	225.9
17.5°	330.5	330.8	329.0	328.3	324.5	318.7	309.7	299.2	281.7	261.2	238.7
20°	324.8	326.8	326.3	327.8	328.5	326.3	320.2	310.0	294.7	274.7	249.4
22.5°	317.7	319.5	319.0	321.7	326.0	328.3	326.3	318.0	302.5	280.2	255.4
25°	318.2	319.5	315.7	317.5	323.0	328.5	328.8	321.5	304.7	280.5	254.9
27.5°	329.3	325.5	317.0	316.2	323.0	330.0	330.5	321.5	301.5	275.2	249.9
30°	337.5	334.8	325.3	324.0	330.5	335.3	332.8	318.7	293.7	266.2	242.7
32.5°	333.5	334.0	330.0	334.0	342.5	344.5	334.0	312.2	283.0	257.4	234.2
35°	333.0	335.0	337.3	343.5	349.3	344.5	327.8	300.0	271.5	246.2	220.9
37.5°	336.0	339.3	342.5	348.0	348.0	335.8	311.2	284.5	257.7	230.2	193.4
40°	340.8	342.8	343.8	343.3	336.5	318.5	292.5	265.7	240.2	201.9	175.1
42.5°	334.5	334.3	333.3	329.0	316.5	293.0	268.7	246.9	206.7	182.1	151.6
45°	307.7	307.7	305.0	298.2	286.7	267.2	245.7	213.9	188.4	158.4	112.6
47.5°	232.9	231.2	234.2	238.2	238.2	236.4	216.9	189.4	163.4	114.3	36.0
50°	201.7	198.9	195.2	195.9	195.4	197.4	184.9	164.1	120.8	35.5	2.5
52.5°	114.1	119.1	131.4	148.6	156.4	159.1	151.4	124.8	40.8	2.3	2.0
55°	34.5	35.5	40.3	49.5	67.3	86.1	87.3	40.5	2.8	2.0	2.0
57.5°	1.5	1.5	2.0	3.0	7.0	10.5	11.3	2.5	1.8	2.0	2.0
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	2.0
62.5°	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.8
67.5°	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.3
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1
2.5°	177.1	175.1	172.9	163.4	154.1	141.6	133.1	130.6
5°	187.9	184.6	179.6	161.6	139.9	115.1	95.1	87.8
7.5°	196.9	191.9	184.9	159.1	122.8	78.1	50.3	42.5
10°	203.4	197.2	188.1	154.6	100.3	43.0	17.0	12.8
12.5°	208.9	200.7	189.9	147.9	73.1	17.5	8.8	8.8
15°	212.7	202.7	190.6	138.4	47.3	9.3	8.3	8.3
17.5°	217.9	204.9	190.6	125.1	25.8	8.0	8.0	8.0
20°	226.4	207.2	187.9	108.3	14.3	7.5	7.8	7.8
22.5°	230.9	210.4	184.4	88.8	9.0	7.3	7.5	7.5
25°	231.9	209.9	176.9	70.1	7.3	7.0	7.3	7.5
27.5°	228.4	206.4	166.9	51.0	6.5	6.8	7.3	7.5
30°	222.2	197.9	150.9	34.5	6.0	6.8	7.3	7.5
32.5°	210.4	177.4	132.1	20.8	5.8	6.8	7.3	7.8
35°	184.1	155.9	110.6	9.0	5.5	6.8	7.5	7.8
37.5°	165.1	134.4	85.6	4.5	5.5	6.8	7.5	8.0
40°	144.1	108.1	39.5	4.0	5.5	6.8	7.5	8.0
42.5°	109.8	50.0	4.8	4.0	5.3	6.8	7.8	8.0
45°	40.0	5.3	2.5	3.8	5.3	6.8	7.8	8.3
47.5°	3.0	2.0	2.3	3.8	5.3	6.8	7.8	8.3
50°	2.0	2.0	2.3	3.8	5.3	6.8	7.8	8.3
52.5°	2.0	2.3	2.3	3.5	5.0	6.8	7.8	8.3
55°	2.0	2.3	2.3	3.5	5.0	6.5	7.8	8.3
57.5°	2.0	2.0	2.3	3.3	4.8	6.3	7.8	8.0
60°	2.0	2.0	2.3	3.0	4.5	6.0	7.3	7.8
62.5°	2.0	2.0	2.0	2.8	4.3	5.8	7.0	7.5
65°	1.8	1.8	2.0	2.5	3.8	5.3	6.5	7.0
67.5°	1.5	1.8	1.8	2.3	3.5	4.8	6.0	6.5
70°	1.5	1.5	1.5	2.0	3.0	4.3	5.5	5.8
72.5°	1.3	1.3	1.5	1.8	2.8	3.8	5.0	5.3
75°	1.0	1.3	1.3	1.5	2.3	3.3	4.3	4.5
77.5°	1.0	1.0	1.0	1.3	2.0	2.8	3.5	3.8
80°	0.8	0.8	0.8	1.0	1.5	2.3	2.8	3.0
82.5°	0.5	0.8	0.8	0.8	1.3	1.5	2.0	2.3
85°	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.5
87.5°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)