

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: P1308470

Luminaire Tested: P3SQAS24R359030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

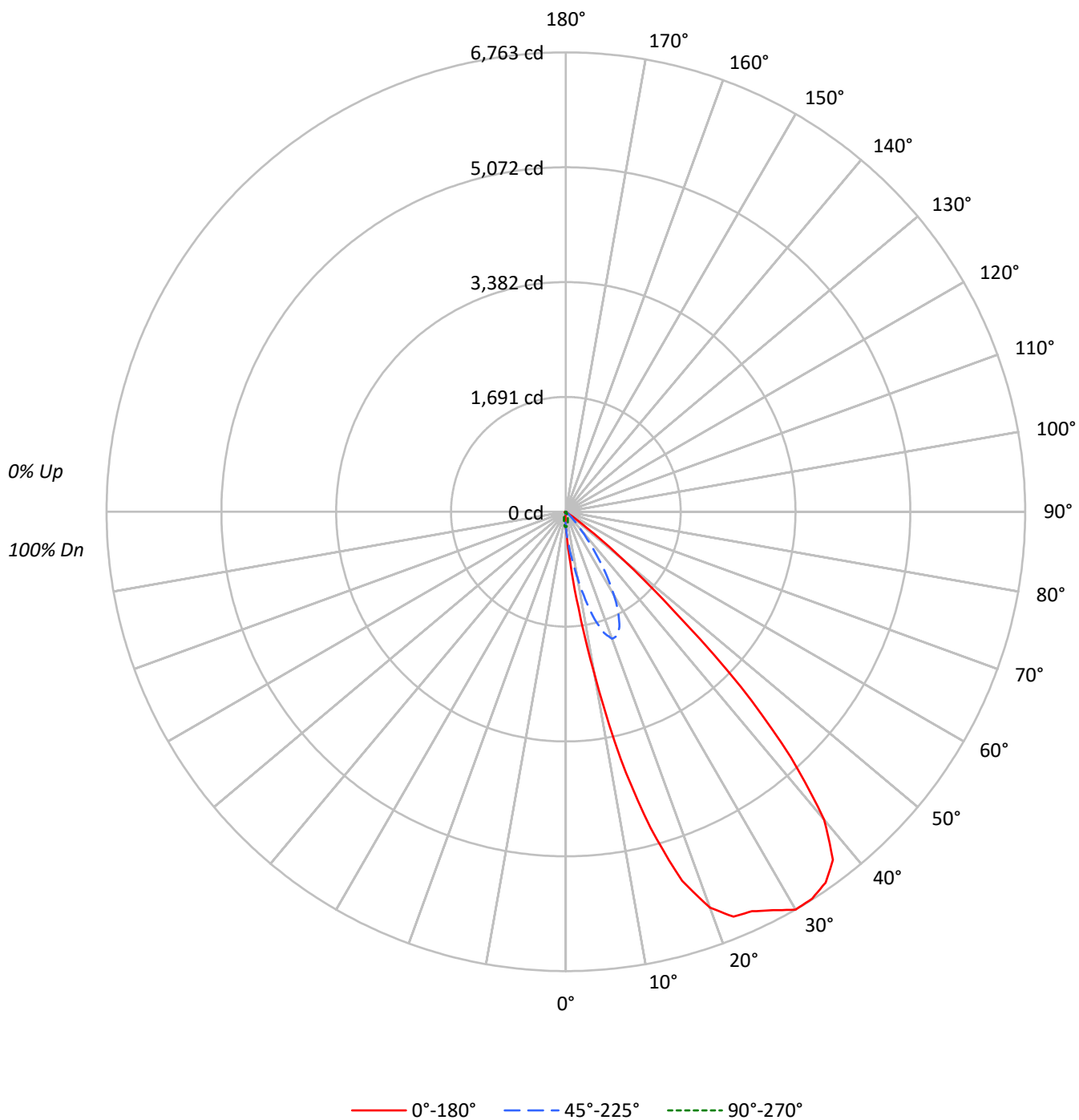
Lumens per Lamp: N/A
Luminaire Lumens: 2126.9 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38475	38475	38475	38475	38475
5°	131043	85161	35976	15179	11220
10°	421722	172624	28383	5684	3672
15°	859236	292765	20094	2050	1355
20°	1136235	364627	12939	696	696
25°	1232874	354476	7259	361	722
30°	1344888	282489	3043	378	756
35°	1401388	175828	799	399	799
40°	1329837	76844	427	854	1281
45°	887750	30689	463	1388	2314
50°	297725	5117	1018	2036	3081
55°	16634	570	1141	2852	4023
60°	1309	654	1963	3272	4616
65°	1549	774	2323	3871	5461
70°	957	957	2870	4784	5791
75°	1264	1264	3793	5057	6321
80°	0	1884	5653	5653	5653
85°	0	3754	11263	3754	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 887750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.8
10°-20°	305.5	14.4
20°-30°	644.8	30.3
30°-40°	731.6	34.4
40°-50°	360.0	16.9
50°-60°	31.2	1.5
60°-70°	6.3	0.3
70°-80°	5.9	0.3
80°-90°	2.9	0.1
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°	989.0	46.5
0°-40°	1720.6	80.9
0°-60°	2111.8	99.3
0°-90°	2126.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2126.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	223	223	223	223	223	
5°	758	493	208	88	65	125
15°	4819	1642	113	12	8	1370
25°	6488	1865	38	2	4	3019
35°	6666	836	4	2	4	4108
45°	3645	126	2	6	10	2693
55°	55	2	4	10	13	217
65°	4	2	6	10	13	3
75°	2	2	6	8	10	1
85°	0	2	6	2	4	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4
2.5°	387.6	397.1	393.3	391.4	389.5	381.9	364.7	362.8	345.6	334.1	276.9
5°	758.0	742.7	746.5	725.5	698.8	660.6	635.8	582.3	538.4	492.6	322.7
7.5°	1428.2	1407.2	1367.1	1306.0	1243.0	1160.9	1036.8	937.5	822.9	714.1	359.0
10°	2411.5	2400.0	2348.5	2191.9	2054.4	1834.9	1628.7	1411.0	1197.1	987.1	383.8
12.5°	3725.1	3646.8	3553.3	3345.1	3074.0	2799.1	2392.4	2016.3	1674.5	1323.2	385.7
15°	4819.1	4769.5	4637.8	4366.6	4040.1	3643.0	3159.9	2654.0	2138.4	1642.0	366.6
17.5°	5699.3	5623.0	5453.0	5187.6	4811.5	4296.0	3730.8	3114.1	2485.9	1869.2	334.1
20°	6199.6	6159.5	6029.7	5764.3	5353.8	4790.5	4147.1	3429.2	2703.6	1989.5	292.1
22.5°	6451.6	6423.0	6327.5	6115.6	5731.8	5164.7	4427.7	3593.4	2766.6	1976.2	248.2
25°	6487.9	6480.3	6398.2	6237.8	5917.0	5355.7	4549.9	3623.9	2715.1	1865.4	206.2
27.5°	6613.9	6587.2	6489.8	6329.4	6006.7	5388.1	4507.9	3518.9	2549.0	1670.7	171.8
30°	6762.8	6743.7	6646.4	6480.3	6098.4	5357.6	4359.0	3286.0	2283.6	1420.5	127.9
32.5°	6751.4	6743.7	6661.6	6486.0	6033.5	5178.1	4093.6	2936.5	1922.7	1120.8	80.2
35°	6665.5	6638.7	6535.6	6264.5	5663.1	4716.0	3589.5	2463.0	1521.7	836.3	51.6
37.5°	6459.3	6402.0	6228.2	5768.1	5000.5	4003.9	2923.2	1901.7	1076.9	559.4	32.5
40°	5915.1	5842.5	5493.1	4937.5	4133.7	3154.2	2174.7	1307.9	710.3	341.8	13.4
42.5°	4907.0	4760.0	4410.5	3839.7	3085.5	2230.1	1428.2	847.7	418.1	206.2	3.8
45°	3644.9	3532.3	3165.7	2648.2	2022.0	1430.1	864.9	458.2	231.0	126.0	1.9
47.5°	2123.2	2054.4	1865.4	1525.6	1117.0	750.4	443.0	246.3	135.6	61.1	1.9
50°	1111.2	1025.3	882.1	668.3	492.6	345.6	215.8	131.7	66.8	19.1	1.9
52.5°	389.5	383.8	349.4	263.5	213.8	154.7	105.0	57.3	19.1	3.8	1.9
55°	55.4	55.4	51.6	57.3	61.1	55.4	36.3	15.3	3.8	1.9	1.9
57.5°	3.8	3.8	3.8	5.7	7.6	7.6	5.7	1.9	1.9	1.9	3.8
60°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
62.5°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
65°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
77.5°	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.8
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):

	90°	112.5°	135°	157.5°	180°
0°	223.4	223.4	223.4	223.4	223.4
2.5°	221.5	177.6	141.3	124.1	118.4
5°	208.1	133.7	87.8	68.7	64.9
7.5°	185.2	95.5	53.5	38.2	36.3
10°	162.3	68.7	32.5	22.9	21.0
12.5°	135.6	47.7	21.0	13.4	11.5
15°	112.7	32.5	11.5	9.5	7.6
17.5°	89.7	21.0	7.6	5.7	7.6
20°	70.6	13.4	3.8	3.8	3.8
22.5°	53.5	7.6	3.8	3.8	3.8
25°	38.2	3.8	1.9	1.9	3.8
27.5°	26.7	1.9	1.9	1.9	3.8
30°	15.3	1.9	1.9	1.9	3.8
32.5°	7.6	1.9	1.9	3.8	3.8
35°	3.8	1.9	1.9	3.8	3.8
37.5°	1.9	1.9	1.9	3.8	5.7
40°	1.9	1.9	3.8	5.7	5.7
42.5°	1.9	1.9	3.8	5.7	7.6
45°	1.9	3.8	5.7	7.6	9.5
47.5°	3.8	3.8	7.6	9.5	11.5
50°	3.8	5.7	7.6	11.5	11.5
52.5°	3.8	5.7	9.5	11.5	13.4
55°	3.8	7.6	9.5	13.4	13.4
57.5°	5.7	7.6	9.5	13.4	13.4
60°	5.7	7.6	9.5	13.4	13.4
62.5°	5.7	7.6	9.5	13.4	13.4
65°	5.7	7.6	9.5	13.4	13.4
67.5°	5.7	7.6	9.5	11.5	13.4
70°	5.7	7.6	9.5	11.5	11.5
72.5°	7.6	7.6	9.5	11.5	11.5
75°	5.7	7.6	7.6	9.5	9.5
77.5°	5.7	5.7	5.7	7.6	7.6
80°	5.7	5.7	5.7	5.7	5.7
82.5°	5.7	3.8	3.8	5.7	5.7
85°	5.7	3.8	1.9	3.8	3.8
87.5°	3.8	3.8	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)