

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: P1307351

Luminaire Tested: P3SQAS24R359027D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359027D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

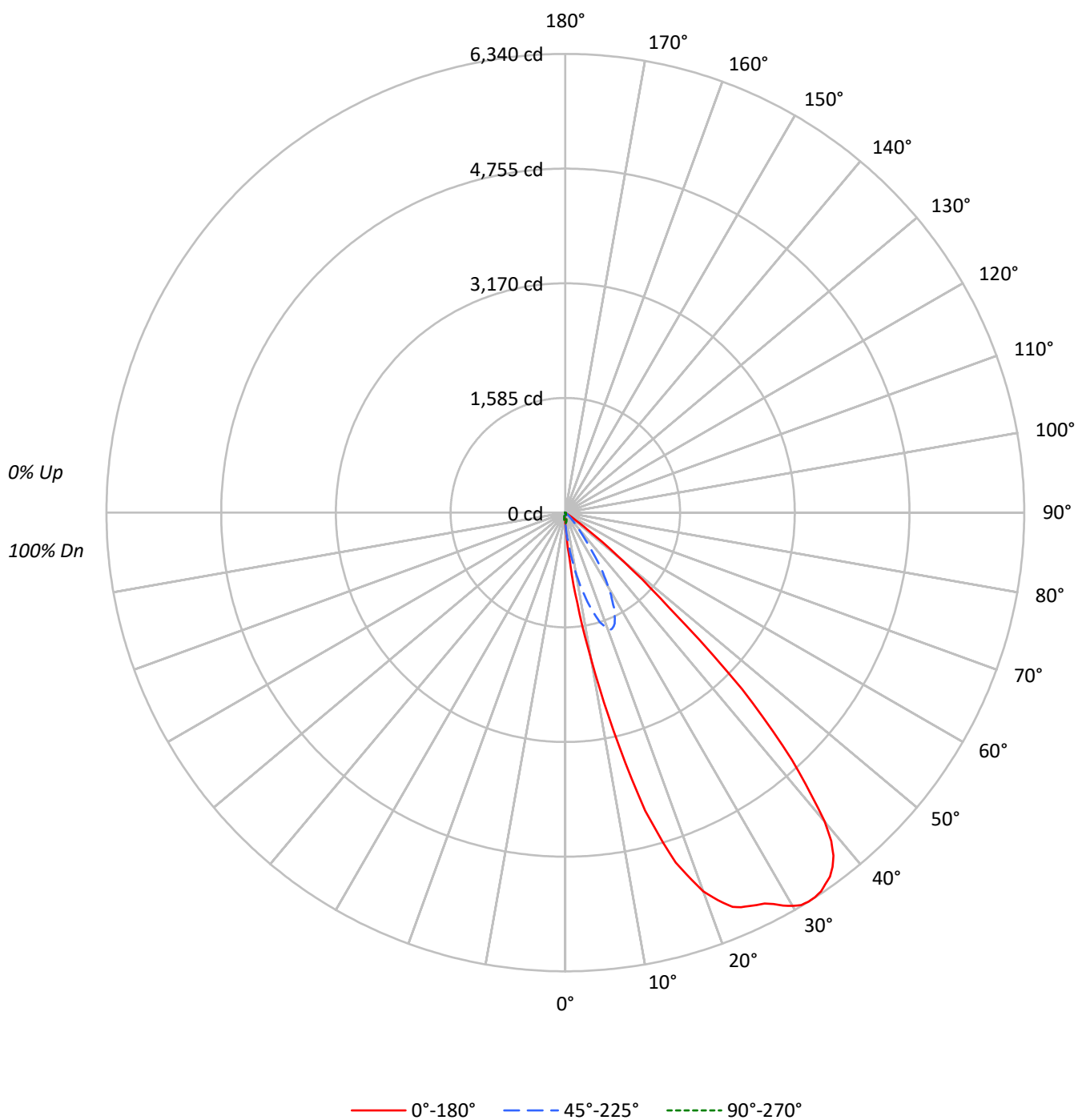
Lumens per Lamp: N/A
Luminaire Lumens: 1894.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	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	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24576	24576	24576	24576	24576
5°	106840	66231	22803	8125	5619
10°	359587	149469	17068	1889	630
15°	760940	245160	10627	0	0
20°	1020295	313273	4967	0	0
25°	1140274	307653	1026	0	0
30°	1248299	235715	0	0	0
35°	1317437	128397	0	0	0
40°	1252386	57689	0	0	0
45°	840549	25525	0	0	0
50°	280792	2411	0	0	0
55°	15193	0	0	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	2396	0	0
80°	0	1785	3570	0	0
85°	0	3557	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 840549 cd/sqm

TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	1.6
10°-20°	262.8	13.9
20°-30°	576.6	30.4
30°-40°	666.9	35.2
40°-50°	329.2	17.4
50°-60°	24.4	1.3
60°-70°	0.8	0.0
70°-80°	1.4	0.1
80°-90°	1.2	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°	870.1	45.9
0°-40°	1537.0	81.2
0°-60°	1890.6	99.8
0°-90°	1894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	143	143	143	143	143	
5°	618	383	132	47	32	106
15°	4268	1375	60	0	0	1204
25°	6001	1619	5	0	0	2774
35°	6266	611	0	0	0	3869
45°	3451	105	0	0	0	2533
55°	51	0	0	0	0	207
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7
2.5°	283.7	290.9	287.3	287.3	285.5	276.5	260.2	254.8	234.9	186.1	144.5
5°	618.0	619.8	614.3	587.2	563.7	542.1	495.1	473.4	383.1	227.7	131.9
7.5°	1254.0	1226.9	1192.5	1154.6	1071.5	995.6	896.2	791.4	592.7	263.8	117.4
10°	2056.2	2018.3	1989.4	1899.0	1749.1	1593.7	1403.9	1232.3	854.7	289.1	97.6
12.5°	3091.6	3069.9	2966.9	2786.2	2564.0	2339.9	2009.2	1736.4	1118.5	294.5	79.5
15°	4267.8	4231.7	4074.5	3817.9	3516.2	3163.8	2721.2	2262.2	1375.0	278.3	59.6
17.5°	5071.9	5052.0	4916.5	4647.3	4300.4	3852.3	3328.3	2755.5	1586.4	243.9	41.6
20°	5567.0	5538.1	5411.6	5183.9	4820.7	4352.8	3731.2	3069.9	1709.3	200.6	27.1
21°	5695.3	5666.4	5565.2	5328.5	4981.6	4479.2	3841.4	3145.8	1732.8	180.7	21.7
22°	5816.3	5787.4	5680.8	5471.2	5127.9	4603.9	3928.1	3203.6	1729.2	164.4	16.3
23°	5917.5	5886.8	5782.0	5588.7	5243.5	4714.1	3993.2	3232.5	1705.7	148.2	12.6
24°	5969.9	5951.8	5857.9	5675.4	5337.5	4791.8	4038.4	3243.3	1676.8	131.9	9.0
25°	6000.6	5978.9	5886.8	5718.8	5398.9	4853.3	4067.3	3234.3	1619.0	117.4	5.4
26°	6033.2	6000.6	5895.8	5733.2	5431.5	4882.2	4069.1	3210.8	1557.5	104.8	1.8
27°	6062.1	6031.3	5922.9	5744.1	5436.9	4873.1	4054.6	3165.6	1483.4	92.2	1.8
28°	6125.3	6091.0	5966.3	5767.5	5442.3	4849.7	4009.5	3104.2	1385.9	81.3	0.0
29°	6208.4	6172.3	6029.5	5823.6	5455.0	4824.4	3948.0	3022.9	1300.9	72.3	0.0
30°	6277.1	6244.6	6112.7	5894.0	5487.5	4800.9	3875.7	2912.7	1185.3	61.4	0.0
31°	6327.7	6295.2	6174.1	5953.7	5516.4	4779.2	3785.4	2798.8	1080.5	54.2	0.0
32°	6340.3	6313.2	6199.4	5978.9	5516.4	4746.7	3702.3	2670.6	977.5	45.2	0.0
33°	6334.9	6307.8	6192.2	5960.9	5467.6	4669.0	3601.1	2517.0	860.1	39.8	0.0
34°	6315.0	6282.5	6159.6	5903.1	5371.8	4537.1	3454.7	2363.4	737.2	32.5	0.0
35°	6266.2	6237.3	6103.6	5794.6	5223.7	4336.5	3259.6	2186.3	610.7	27.1	0.0
36°	6219.3	6175.9	6011.5	5660.9	5028.5	4130.5	3026.5	1982.1	502.3	21.7	0.0
37°	6132.5	6071.1	5904.9	5467.6	4752.1	3839.6	2760.9	1758.1	421.0	16.3	0.0
38°	6016.9	5933.8	5722.4	5243.5	4473.8	3566.8	2511.6	1555.7	354.1	10.8	0.0
39°	5838.0	5740.4	5453.1	4936.4	4152.2	3250.6	2226.1	1340.7	301.7	7.2	0.0
40°	5570.6	5478.4	5160.4	4571.4	3832.4	2901.8	1933.4	1098.6	256.6	3.6	0.0
42.5°	4638.2	4511.8	4143.2	3557.7	2833.2	2086.9	1279.3	610.7	169.8	0.0	0.0
45°	3451.1	3339.1	2977.7	2444.7	1888.2	1277.5	684.8	359.6	104.8	0.0	0.0
47.5°	1949.6	1937.0	1702.1	1403.9	1053.4	679.4	346.9	216.8	45.2	0.0	0.0
50°	1048.0	982.9	847.4	643.2	439.1	296.3	187.9	119.3	9.0	0.0	0.0
52.5°	383.1	370.4	310.8	258.4	198.8	135.5	95.8	52.4	0.0	0.0	0.0
55°	50.6	47.0	48.8	52.4	54.2	47.0	30.7	10.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.8	3.6	3.6	3.6	0.0	0.0	0.0	1.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6



TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
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: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	142.7	142.7	142.7	142.7
2.5°	110.2	84.9	72.3	70.5
5°	75.9	47.0	34.3	32.5
7.5°	52.4	23.5	16.3	14.5
10°	30.7	10.8	5.4	3.6
12.5°	18.1	1.8	0.0	0.0
15°	5.4	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.8	0.0	0.0	0.0
67.5°	1.8	0.0	0.0	0.0
70°	1.8	0.0	0.0	0.0
72.5°	1.8	0.0	0.0	0.0
75°	1.8	0.0	0.0	0.0
77.5°	1.8	0.0	0.0	0.0
80°	1.8	0.0	0.0	0.0



TEST NUMBER: P1307351

CATALOG NUMBER: P3SQAS24R359027D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.8	0.0	0.0	0.0
85°	1.8	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)