

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: P1311749

Luminaire Tested: P3SQAS24R259050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

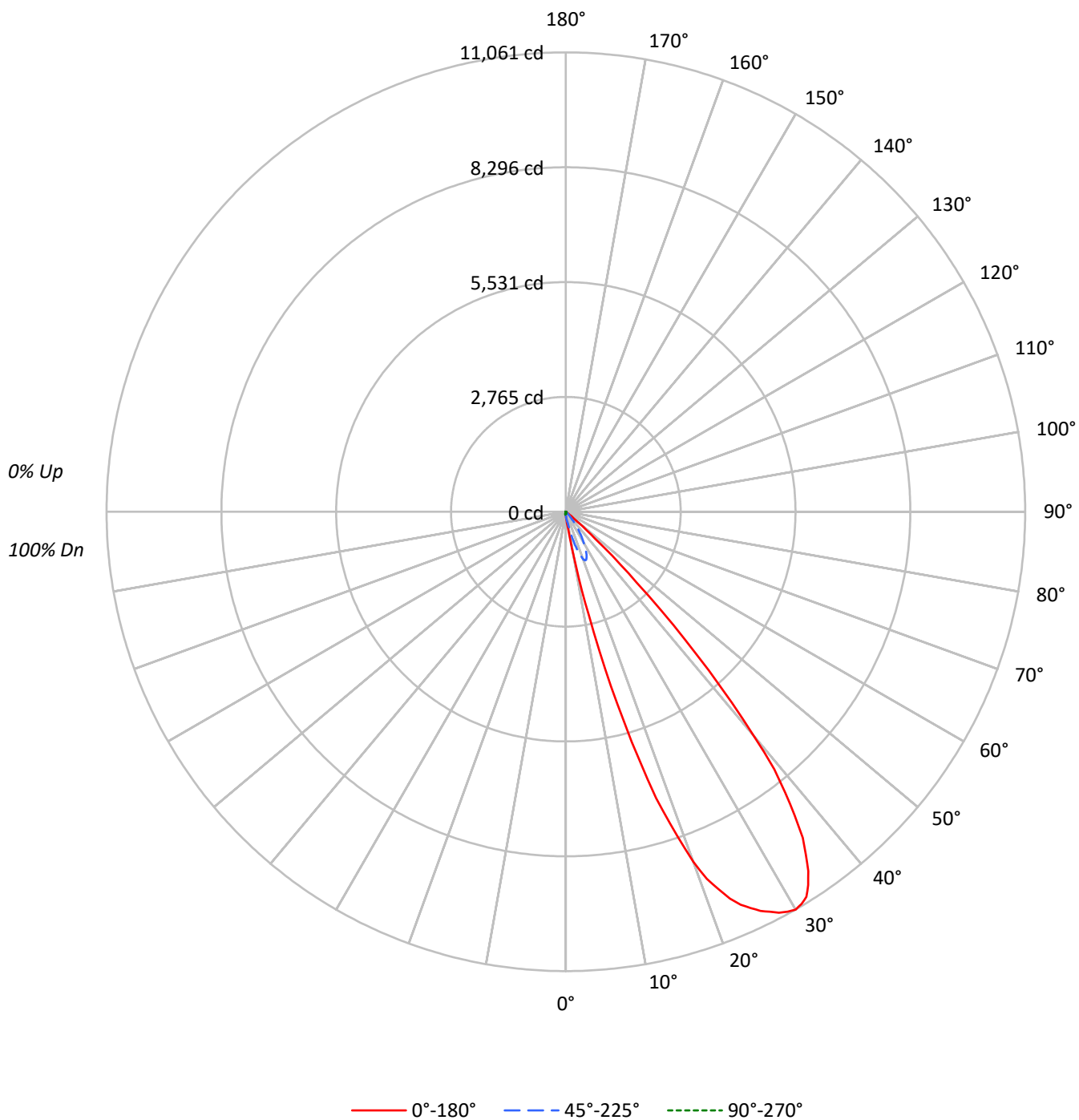
Lumens per Lamp: N/A
Luminaire Lumens: 2213.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311749

CATALOG NUMBER: P3SQAS24R259050D010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311749

CATALOG NUMBER: P3SQAS24R259050D010 E3SQCA301MW

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16361	16361	16361	16361	16361
5°	41042	30341	15352	7849	6068
10°	179461	51642	12644	3603	2536
15°	853352	139162	8844	1480	1105
20°	1642717	222881	5682	385	385
25°	2000639	224821	3135	0	0
30°	2199632	172039	1233	0	0
35°	2119732	109390	442	0	0
40°	1583862	47347	0	0	472
45°	586370	12568	511	511	1510
50°	69153	1661	1099	1099	2224
55°	6816	0	1231	1862	3093
60°	723	0	2136	2859	3548
65°	856	856	3382	4197	5053
70°	1057	1057	4179	4179	6244
75°	1397	1397	4126	4126	5523
80°	0	2083	6149	4066	6149
85°	0	4150	12251	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 586370 cd/sqm

TEST NUMBER: P1311749

CATALOG NUMBER: P3SQAS24R259050D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.6
10°-20°	258.0	11.7
20°-30°	809.8	36.6
30°-40°	852.5	38.5
40°-50°	250.5	11.3
50°-60°	13.4	0.6
60°-70°	6.5	0.3
70°-80°	5.6	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°	1081.6	48.9
0°-40°	1934.1	87.4
0°-60°	2198.0	99.3
0°-90°	2213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	237	176	89	45	35	42
15°	4786	780	50	8	6	1509
25°	10528	1183	16	0	0	4829
35°	10082	520	2	0	0	6084
45°	2408	52	2	2	6	2188
55°	23	0	4	6	10	58
65°	2	2	8	10	12	2
75°	2	2	6	6	8	1
85°	0	2	6	2	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1311749

CATALOG NUMBER: P3SQAS24R259050D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	146.6	148.7	142.5	146.6	142.5	140.4	138.3	128.0	111.5	95.0	78.5
5°	237.4	237.4	227.1	225.1	220.9	212.7	204.4	175.5	126.0	88.8	61.9
7.5°	371.7	369.6	365.5	355.1	334.5	313.8	293.2	229.2	138.3	82.6	47.5
10°	1026.2	1011.7	993.1	881.7	755.7	644.2	547.2	295.3	148.7	72.3	35.1
12.5°	2550.0	2467.4	2271.2	2048.2	1763.3	1463.9	1170.7	481.1	152.8	59.9	24.8
15°	4786.1	4614.7	4309.1	3863.2	3280.9	2626.4	2068.9	780.5	148.7	49.6	18.6
17.5°	7226.6	7061.5	6638.2	5961.0	5104.1	4098.5	3111.6	1034.4	138.3	41.3	12.4
20°	8963.1	8787.6	8391.2	7672.6	6745.6	5405.5	4096.5	1216.1	130.1	31.0	6.2
21°	9471.0	9295.5	8876.4	8182.6	7208.1	5863.9	4412.4	1247.1	123.9	26.8	4.1
22°	9793.1	9689.9	9239.8	8566.7	7573.5	6231.4	4682.9	1261.6	119.8	24.8	4.1
23°	10117.3	9962.5	9541.2	8831.0	7852.3	6504.0	4883.2	1251.2	115.6	20.6	2.1
24°	10356.8	10226.7	9737.4	9035.4	8046.4	6671.2	5000.8	1224.4	109.4	18.6	2.1
25°	10528.2	10408.4	9898.4	9173.7	8176.4	6762.1	5038.0	1183.1	103.2	16.5	2.1
26°	10691.3	10561.2	10032.7	9254.2	8244.6	6791.0	5002.9	1137.7	97.0	14.5	0.0
27°	10809.0	10676.9	10125.6	9301.7	8248.7	6755.9	4907.9	1075.7	90.8	12.4	0.0
28°	10935.0	10782.2	10189.6	9328.6	8223.9	6673.3	4771.7	1009.7	86.7	10.3	0.0
29°	11011.3	10866.8	10255.6	9357.5	8172.3	6535.0	4573.4	931.2	76.4	6.2	0.0
30°	11060.9	10889.5	10249.5	9326.5	8104.2	6386.3	4336.0	865.1	66.1	6.2	0.0
31°	11019.6	10840.0	10183.4	9239.8	7994.7	6192.2	4092.3	782.5	53.7	4.1	0.0
32°	10930.8	10718.2	10067.8	9089.1	7798.6	5942.4	3840.4	714.4	39.2	4.1	0.0
33°	10714.0	10534.4	9859.2	8886.7	7542.6	5603.8	3512.2	648.3	26.8	2.1	0.0
34°	10441.5	10261.8	9574.3	8616.2	7199.8	5166.0	3113.7	580.2	22.7	2.1	0.0
35°	10082.2	9904.6	9252.2	8238.4	6745.6	4639.5	2702.8	520.3	18.6	2.1	0.0
36°	9704.4	9469.0	8845.4	7835.8	6136.5	4040.7	2263.0	452.2	14.5	2.1	0.0
37°	9148.9	8990.0	8298.3	7222.5	5477.8	3466.7	1942.9	390.2	10.3	2.1	0.0
38°	8572.9	8426.3	7751.1	6605.2	4742.7	2898.9	1627.0	330.4	8.3	0.0	0.0
39°	7978.2	7734.6	7067.7	5814.4	3972.6	2428.2	1368.9	276.7	4.1	0.0	0.0
40°	7045.0	6859.1	6146.8	4864.6	3287.1	1967.7	1166.6	210.6	4.1	0.0	0.0
42.5°	4670.5	4497.0	3749.6	2638.8	1746.8	1150.1	770.2	82.6	0.0	2.1	0.0
45°	2407.5	2298.1	1866.5	1381.3	991.1	706.1	495.5	51.6	0.0	2.1	2.1
47.5°	956.0	937.4	846.6	730.9	563.7	419.1	270.5	22.7	0.0	2.1	2.1
50°	258.1	260.2	243.6	225.1	204.4	192.0	113.6	6.2	0.0	4.1	2.1
52.5°	109.4	111.5	107.4	101.2	90.8	68.1	45.4	2.1	2.1	4.1	4.1
55°	22.7	24.8	26.8	28.9	33.0	28.9	18.6	0.0	2.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	6.2	6.2	4.1	0.0	2.1	4.1	6.2
60°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	4.1	6.2	6.2
62.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.3
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	8.3	8.3
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	8.3
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	8.3
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.3	6.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	6.2	6.2
77.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.1	6.2	6.2
80°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.1	6.2	4.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	6.2	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.1	6.2	4.1
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: P1311749

CATALOG NUMBER: P3SQAS24R259050D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	95.0	95.0	95.0
2.5°	66.1	59.9	57.8
5°	45.4	39.2	35.1
7.5°	31.0	24.8	22.7
10°	20.6	16.5	14.5
12.5°	14.5	8.3	8.3
15°	8.3	6.2	6.2
17.5°	4.1	2.1	2.1
20°	2.1	2.1	2.1
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	2.1
39°	0.0	2.1	2.1
40°	0.0	2.1	2.1
42.5°	0.0	2.1	4.1
45°	2.1	4.1	6.2
47.5°	4.1	6.2	8.3
50°	4.1	8.3	8.3
52.5°	6.2	8.3	10.3
55°	6.2	10.3	10.3
57.5°	8.3	10.3	12.4
60°	8.3	10.3	10.3
62.5°	8.3	12.4	12.4
65°	10.3	12.4	12.4
67.5°	10.3	12.4	12.4
70°	8.3	10.3	12.4
72.5°	8.3	10.3	10.3
75°	6.2	8.3	8.3
77.5°	6.2	6.2	8.3
80°	4.1	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	4.1	4.1	4.1
85°	2.1	2.1	2.1
87.5°	2.1	2.1	2.1
90°	0.0	0.0	0.0

(END OF REPORT)