

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: P1308434

Luminaire Tested: P3SQAS24R259030D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259030D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

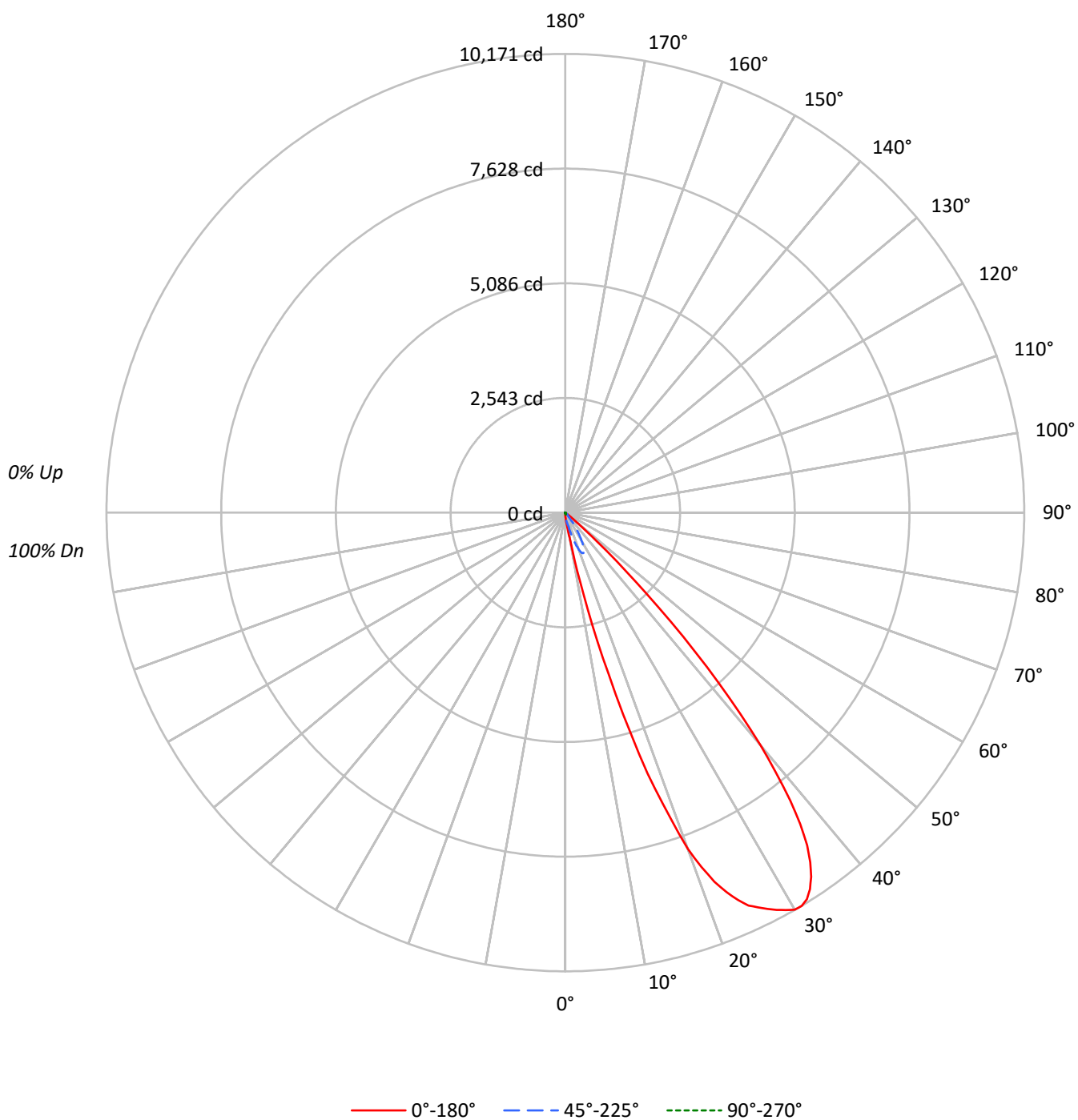
Lumens per Lamp: N/A
Luminaire Lumens: 1993.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

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	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10850	10850	10850	10850	10850
5°	33988	23754	9906	5273	3959
10°	107166	43055	7345	665	0
15°	662662	82017	4422	0	0
20°	1452953	159890	1393	0	0
25°	1826403	183908	0	0	0
30°	2021827	142348	0	0	0
35°	1990221	80671	0	0	0
40°	1512796	21021	0	0	0
45°	612772	9304	0	0	0
50°	68028	1018	0	0	0
55°	5164	0	570	0	0
60°	0	0	654	0	0
65°	0	0	1549	0	0
70°	0	957	1913	0	0
75°	0	1264	3793	0	0
80°	0	1884	5653	0	0
85°	0	3754	11263	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 612772 cd/sqm

TEST NUMBER: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.5
10°-20°	205.9	10.3
20°-30°	719.6	36.1
30°-40°	802.7	40.3
40°-50°	242.4	12.2
50°-60°	8.1	0.4
60°-70°	1.1	0.1
70°-80°	1.7	0.1
80°-90°	1.6	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°	935.3	46.9
0°-40°	1738.1	87.2
0°-60°	1988.6	99.8
0°-90°	1993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1993.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	63	63	63	63	63	
5°	197	137	57	30	23	31
15°	3717	460	25	0	0	1236
25°	9611	968	0	0	0	4385
35°	9466	384	0	0	0	5683
45°	2516	38	0	0	0	2173
55°	17	0	2	0	0	53
65°	0	0	4	0	0	0
75°	0	2	6	0	0	0
85°	0	2	6	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2.5°	108.8	112.6	110.7	112.6	110.7	110.7	110.7	112.6	110.7	110.7	110.7
5°	196.6	198.5	198.5	196.6	196.6	200.4	196.6	198.5	192.8	196.6	194.7
7.5°	322.6	318.8	318.8	320.7	320.7	316.9	315.0	311.2	315.0	315.0	309.2
10°	612.8	608.9	599.4	595.6	599.4	599.4	580.3	584.1	586.0	568.9	563.1
12.5°	1800.1	1786.7	1813.5	1771.5	1746.6	1706.6	1729.5	1651.2	1634.0	1622.6	1595.8
15°	3716.6	3817.8	3773.9	3777.7	3785.3	3689.9	3722.4	3604.0	3504.7	3474.2	3453.2
17.5°	6060.8	6091.3	6051.2	6032.1	6024.5	5978.7	5923.3	5864.1	5787.8	5721.0	5665.6
20°	7927.7	7904.8	7836.0	7843.7	7761.6	7719.6	7671.9	7612.7	7553.5	7456.2	7362.6
21°	8420.2	8353.3	8355.3	8309.4	8307.5	8254.1	8170.1	8109.0	8055.6	7944.8	7885.7
22°	8824.8	8809.6	8775.2	8740.8	8704.6	8677.9	8584.3	8553.8	8445.0	8353.3	8269.3
23°	9139.8	9145.5	9115.0	9092.1	9042.5	9031.0	8910.7	8868.7	8794.3	8654.9	8569.0
24°	9401.3	9391.8	9357.4	9317.3	9288.7	9262.0	9170.4	9101.6	9019.5	8905.0	8821.0
25°	9611.3	9588.4	9565.5	9534.9	9489.1	9458.6	9365.1	9288.7	9218.1	9090.2	8975.6
26°	9735.4	9741.1	9704.8	9681.9	9641.8	9611.3	9514.0	9424.2	9336.4	9199.0	9095.9
27°	9861.4	9855.6	9823.2	9788.8	9746.8	9735.4	9622.8	9529.2	9439.5	9294.4	9172.3
28°	9977.8	9962.5	9935.8	9895.7	9849.9	9815.6	9706.8	9609.4	9512.0	9357.4	9223.8
29°	10075.2	10059.9	10042.7	9991.2	9932.0	9909.1	9792.7	9674.3	9576.9	9418.5	9277.2
30°	10166.8	10138.2	10098.1	10054.2	9996.9	9953.0	9830.8	9727.7	9613.2	9437.6	9302.1
31°	10170.6	10132.4	10103.8	10058.0	9993.1	9939.6	9811.7	9706.8	9573.1	9409.0	9262.0
32°	10103.8	10084.7	10038.9	9989.3	9926.3	9872.8	9731.6	9620.9	9494.9	9319.2	9172.3
33°	9953.0	9933.9	9907.2	9855.6	9773.6	9723.9	9597.9	9475.8	9351.7	9193.3	9025.3
34°	9744.9	9722.0	9687.7	9636.1	9552.1	9500.6	9399.4	9273.4	9141.7	8977.6	8821.0
35°	9466.2	9422.3	9412.8	9336.4	9258.2	9244.8	9124.5	8992.8	8859.2	8677.9	8542.3
36°	9120.7	9069.2	9034.8	9008.1	8956.6	8893.6	8775.2	8670.2	8498.4	8382.0	8191.1
37°	8649.2	8586.2	8618.7	8546.1	8466.0	8439.2	8288.4	8193.0	8047.9	7889.5	7727.2
38°	8099.5	8093.7	8086.1	8053.6	7916.2	7845.6	7782.6	7681.4	7555.4	7364.5	7145.0
39°	7404.6	7416.1	7376.0	7379.8	7311.1	7240.5	7152.6	7038.1	6885.4	6711.7	6534.2
40°	6728.9	6566.6	6595.2	6497.9	6503.6	6398.6	6284.1	6182.9	6085.6	5932.9	5690.4
42.5°	4655.8	4631.0	4545.1	4484.0	4510.7	4375.2	4224.4	4083.1	3947.6	3775.8	3563.9
45°	2515.9	2458.7	2475.8	2376.6	2376.6	2315.5	2273.5	2155.1	2029.2	1950.9	1828.7
47.5°	935.4	946.8	967.8	927.7	881.9	908.6	868.5	868.5	847.6	822.7	788.4
50°	253.9	257.7	253.9	253.9	248.2	244.3	236.7	234.8	232.9	227.2	217.6
52.5°	103.1	97.4	97.4	99.3	99.3	95.4	97.4	97.4	95.4	93.5	93.5
55°	17.2	19.1	19.1	19.1	19.1	17.2	17.2	19.1	21.0	19.1	19.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1308434

CATALOG NUMBER: P3SQAS24R259030D010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2.5°	106.9	93.5	78.3	64.9	51.5	43.9	40.1	42.0
5°	181.3	137.4	89.7	57.3	40.1	30.5	24.8	22.9
7.5°	278.7	189.0	101.2	49.6	30.5	15.3	9.5	7.6
10°	427.6	246.2	108.8	42.0	19.1	3.8	0.0	0.0
12.5°	1097.6	301.6	110.7	34.4	7.6	0.0	0.0	0.0
15°	2256.3	460.0	106.9	24.8	1.9	0.0	0.0	0.0
17.5°	3751.0	704.4	93.5	17.2	0.0	0.0	0.0	0.0
20°	5203.7	872.4	74.4	7.6	0.0	0.0	0.0	0.0
21°	5640.8	922.0	66.8	5.7	0.0	0.0	0.0	0.0
22°	5997.8	958.3	59.2	3.8	0.0	0.0	0.0	0.0
23°	6295.5	977.4	51.5	1.9	0.0	0.0	0.0	0.0
24°	6503.6	981.2	47.7	1.9	0.0	0.0	0.0	0.0
25°	6602.9	967.8	42.0	0.0	0.0	0.0	0.0	0.0
26°	6641.1	941.1	38.2	0.0	0.0	0.0	0.0	0.0
27°	6612.4	906.7	34.4	0.0	0.0	0.0	0.0	0.0
28°	6560.9	855.2	28.6	0.0	0.0	0.0	0.0	0.0
29°	6459.7	786.5	24.8	0.0	0.0	0.0	0.0	0.0
30°	6362.4	715.8	21.0	0.0	0.0	0.0	0.0	0.0
31°	6251.6	652.8	17.2	0.0	0.0	0.0	0.0	0.0
32°	6116.1	580.3	13.4	0.0	0.0	0.0	0.0	0.0
33°	5890.9	513.5	9.5	0.0	0.0	0.0	0.0	0.0
34°	5575.9	450.5	7.6	0.0	0.0	0.0	0.0	0.0
35°	5154.0	383.7	5.7	0.0	0.0	0.0	0.0	0.0
36°	4692.1	313.1	3.8	0.0	0.0	0.0	0.0	0.0
37°	4127.0	227.2	3.8	0.0	0.0	0.0	0.0	0.0
38°	3537.2	143.2	1.9	0.0	0.0	0.0	0.0	0.0
39°	2934.0	108.8	1.9	0.0	0.0	0.0	0.0	0.0
40°	2382.3	93.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1275.1	63.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	752.1	38.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	420.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	150.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	59.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	21.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0
57.5°	1.9	0.0	1.9	1.9	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.9	1.9	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.9	3.8	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.8	3.8	1.9	0.0	0.0	0.0
67.5°	0.0	1.9	3.8	3.8	1.9	0.0	0.0	0.0
70°	0.0	1.9	3.8	3.8	1.9	0.0	0.0	0.0
72.5°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
75°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
77.5°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
80°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
85°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
87.5°	0.0	1.9	3.8	5.7	1.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)