

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: P1307316

Luminaire Tested: P3SQAS24R259027D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307316
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: P3SQAS24R259027D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

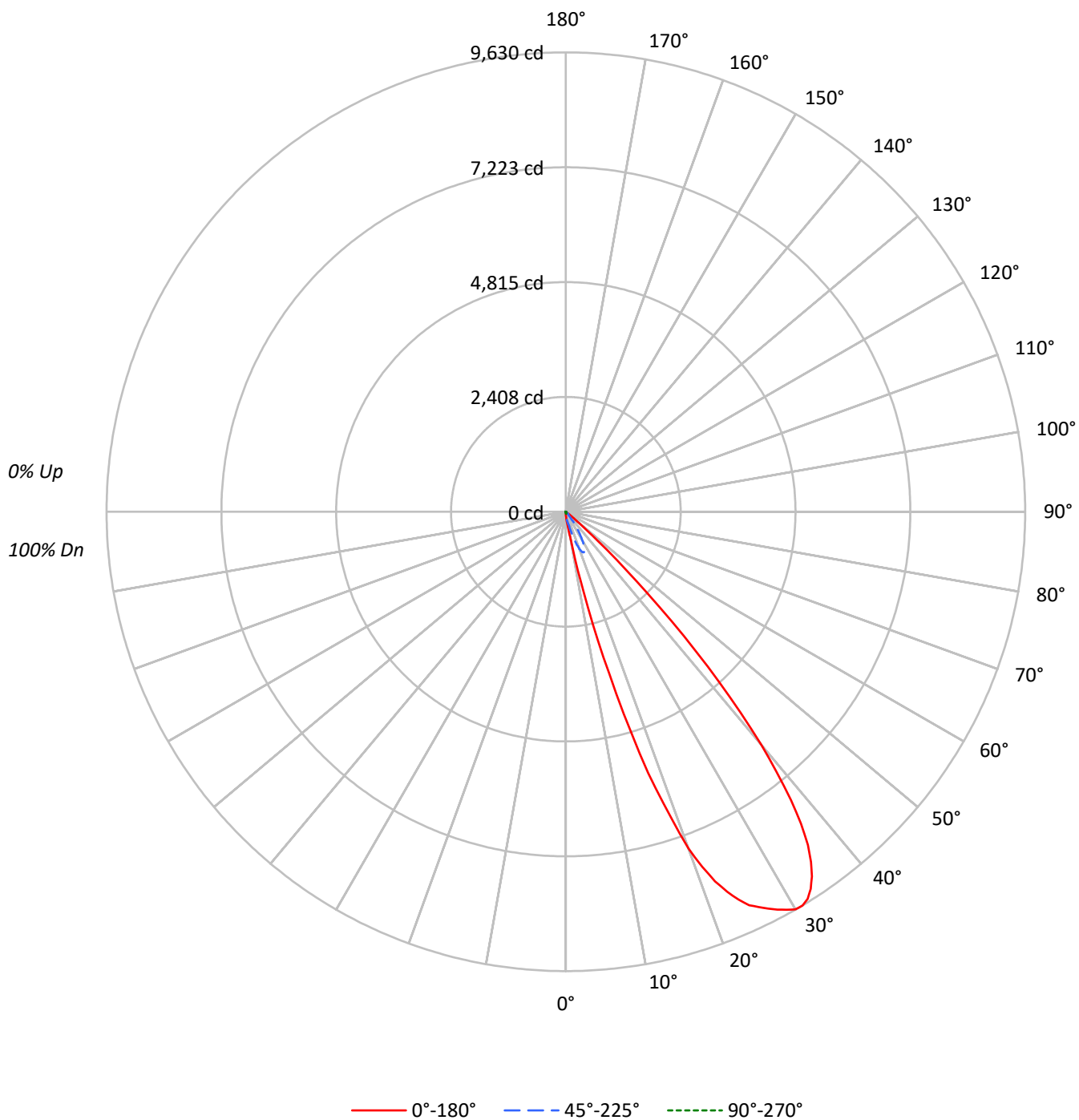
Lumens per Lamp: N/A
Luminaire Lumens: 1887.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
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°	10264	10264	10264	10264	10264
5°	32190	22492	9370	4996	3752
10°	101465	40782	6960	630	0
15°	627431	77667	4190	0	0
20°	1375666	151386	1320	0	0
25°	1729262	174121	0	0	0
30°	1914300	134791	0	0	0
35°	1884384	76382	0	0	0
40°	1432333	19919	0	0	0
45°	580183	8793	0	0	0
50°	64411	965	0	0	0
55°	4894	0	540	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	3593	0	0
80°	0	1785	5356	0	0
85°	0	3557	10671	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 580183 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.5
10°-20°	194.9	10.3
20°-30°	681.3	36.1
30°-40°	760.1	40.3
40°-50°	229.5	12.2
50°-60°	7.7	0.4
60°-70°	1.0	0.1
70°-80°	1.6	0.1
80°-90°	1.5	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°	885.6	46.9
0°-40°	1645.6	87.2
0°-60°	1882.8	99.8
0°-90°	1887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1887.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	60	60	60	60	60	
5°	186	130	54	29	22	29
15°	3519	436	24	0	0	1170
25°	9100	916	0	0	0	4151
35°	8963	363	0	0	0	5381
45°	2382	36	0	0	0	2057
55°	16	0	2	0	0	51
65°	0	0	4	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	103.0	106.6	104.8	106.6	104.8	104.8	104.8	106.6	104.8	104.8	104.8
5°	186.2	188.0	188.0	186.2	186.2	189.8	186.2	188.0	182.5	186.2	184.4
7.5°	305.4	301.8	301.8	303.6	303.6	300.0	298.2	294.6	298.2	298.2	292.8
10°	580.2	576.6	567.5	563.9	567.5	567.5	549.4	553.1	554.9	538.6	533.2
12.5°	1704.4	1691.7	1717.0	1677.2	1653.7	1615.8	1637.5	1563.4	1547.1	1536.3	1511.0
15°	3519.0	3614.7	3573.2	3576.8	3584.0	3493.6	3524.4	3412.3	3318.3	3289.4	3269.5
17.5°	5738.4	5767.3	5729.4	5711.3	5704.1	5660.7	5608.3	5552.2	5480.0	5416.7	5364.3
20°	7506.0	7484.3	7419.3	7426.5	7348.8	7309.0	7263.8	7207.8	7151.8	7059.6	6971.0
21°	7972.3	7909.1	7910.9	7867.5	7865.7	7815.1	7735.6	7677.7	7627.1	7522.3	7466.3
22°	8355.5	8341.0	8308.5	8276.0	8241.6	8216.3	8127.8	8098.8	7995.8	7909.1	7829.5
23°	8653.7	8659.1	8630.2	8608.5	8561.5	8550.7	8436.8	8397.0	8326.6	8194.6	8113.3
24°	8901.3	8892.3	8859.7	8821.8	8794.7	8769.4	8682.6	8617.5	8539.8	8431.4	8351.9
25°	9100.1	9078.4	9056.7	9027.8	8984.4	8955.5	8867.0	8794.7	8727.8	8606.7	8498.3
26°	9217.6	9223.0	9188.7	9167.0	9129.0	9100.1	9007.9	8923.0	8839.9	8709.7	8612.1
27°	9336.9	9331.5	9300.7	9268.2	9228.4	9217.6	9111.0	9022.4	8937.5	8800.1	8684.4
28°	9447.1	9432.7	9407.4	9369.4	9326.0	9293.5	9190.5	9098.3	9006.1	8859.7	8733.2
29°	9539.3	9524.8	9508.6	9459.8	9403.8	9382.1	9271.8	9159.8	9067.6	8917.6	8783.8
30°	9626.1	9599.0	9561.0	9519.4	9465.2	9423.6	9308.0	9210.4	9101.9	8935.6	8807.3
31°	9629.7	9593.5	9566.4	9523.0	9461.6	9411.0	9289.9	9190.5	9064.0	8908.5	8769.4
32°	9566.4	9548.3	9505.0	9458.0	9398.3	9347.7	9214.0	9109.2	8989.9	8823.6	8684.4
33°	9423.6	9405.6	9380.3	9331.5	9253.7	9206.8	9087.5	8971.8	8854.3	8704.3	8545.3
34°	9226.6	9204.9	9172.4	9123.6	9044.1	8995.3	8899.5	8780.2	8655.5	8500.1	8351.9
35°	8962.8	8921.2	8912.2	8839.9	8765.8	8753.1	8639.2	8514.5	8388.0	8216.3	8088.0
36°	8635.6	8586.8	8554.3	8529.0	8480.2	8420.5	8308.5	8209.1	8046.4	7936.2	7755.4
37°	8189.2	8129.6	8160.3	8091.6	8015.7	7990.4	7847.6	7757.2	7619.9	7469.9	7316.2
38°	7668.7	7663.3	7656.0	7625.3	7495.2	7428.3	7368.7	7272.9	7153.6	6972.8	6765.0
39°	7010.8	7021.6	6983.7	6987.3	6922.2	6855.4	6772.2	6663.8	6519.2	6354.7	6186.6
40°	6371.0	6217.4	6244.5	6152.3	6157.7	6058.3	5949.9	5854.1	5761.9	5617.3	5387.8
42.5°	4408.2	4384.7	4303.4	4245.5	4270.8	4142.5	3999.7	3866.0	3737.6	3575.0	3374.4
45°	2382.1	2327.9	2344.2	2250.2	2250.2	2192.3	2152.6	2040.5	1921.2	1847.1	1731.5
47.5°	885.6	896.5	916.3	878.4	835.0	860.3	822.4	822.4	802.5	779.0	746.4
50°	240.4	244.0	240.4	240.4	235.0	231.3	224.1	222.3	220.5	215.1	206.0
52.5°	97.6	92.2	92.2	94.0	94.0	90.4	92.2	92.2	90.4	88.6	88.6
55°	16.3	18.1	18.1	18.1	18.1	16.3	16.3	18.1	19.9	18.1	18.1
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



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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

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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2.5°	101.2	88.6	74.1	61.5	48.8	41.6	38.0	39.8
5°	171.7	130.1	84.9	54.2	38.0	28.9	23.5	21.7
7.5°	263.9	178.9	95.8	47.0	28.9	14.5	9.0	7.2
10°	404.9	233.2	103.0	39.8	18.1	3.6	0.0	0.0
12.5°	1039.2	285.6	104.8	32.5	7.2	0.0	0.0	0.0
15°	2136.3	435.6	101.2	23.5	1.8	0.0	0.0	0.0
17.5°	3551.5	666.9	88.6	16.3	0.0	0.0	0.0	0.0
20°	4926.9	826.0	70.5	7.2	0.0	0.0	0.0	0.0
21°	5340.8	873.0	63.3	5.4	0.0	0.0	0.0	0.0
22°	5678.8	907.3	56.0	3.6	0.0	0.0	0.0	0.0
23°	5960.7	925.4	48.8	1.8	0.0	0.0	0.0	0.0
24°	6157.7	929.0	45.2	1.8	0.0	0.0	0.0	0.0
25°	6251.7	916.3	39.8	0.0	0.0	0.0	0.0	0.0
26°	6287.8	891.0	36.1	0.0	0.0	0.0	0.0	0.0
27°	6260.7	858.5	32.5	0.0	0.0	0.0	0.0	0.0
28°	6211.9	809.7	27.1	0.0	0.0	0.0	0.0	0.0
29°	6116.1	744.6	23.5	0.0	0.0	0.0	0.0	0.0
30°	6024.0	677.8	19.9	0.0	0.0	0.0	0.0	0.0
31°	5919.1	618.1	16.3	0.0	0.0	0.0	0.0	0.0
32°	5790.8	549.4	12.7	0.0	0.0	0.0	0.0	0.0
33°	5577.5	486.2	9.0	0.0	0.0	0.0	0.0	0.0
34°	5279.3	426.5	7.2	0.0	0.0	0.0	0.0	0.0
35°	4879.9	363.3	5.4	0.0	0.0	0.0	0.0	0.0
36°	4442.5	296.4	3.6	0.0	0.0	0.0	0.0	0.0
37°	3907.5	215.1	3.6	0.0	0.0	0.0	0.0	0.0
38°	3349.1	135.6	1.8	0.0	0.0	0.0	0.0	0.0
39°	2777.9	103.0	1.8	0.0	0.0	0.0	0.0	0.0
40°	2255.6	88.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1207.3	59.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	712.1	36.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	397.6	14.5	0.0	0.0	0.0	0.0	0.0	0.0
50°	142.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	19.9	0.0	0.0	1.8	0.0	0.0	0.0	0.0
57.5°	1.8	0.0	1.8	1.8	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.8	3.6	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.6	3.6	1.8	0.0	0.0	0.0
67.5°	0.0	1.8	3.6	3.6	1.8	0.0	0.0	0.0
70°	0.0	1.8	3.6	3.6	1.8	0.0	0.0	0.0
72.5°	0.0	1.8	3.6	5.4	1.8	0.0	0.0	0.0
75°	0.0	1.8	3.6	5.4	1.8	0.0	0.0	0.0
77.5°	0.0	1.8	3.6	5.4	1.8	0.0	0.0	0.0
80°	0.0	1.8	3.6	5.4	1.8	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	1.8	3.6	5.4	1.8	0.0	0.0	0.0
85°	0.0	1.8	3.6	5.4	1.8	0.0	0.0	0.0
87.5°	0.0	1.8	3.6	5.4	1.8	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)