

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: P1309521

Luminaire Tested: P3SQAS24R159035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

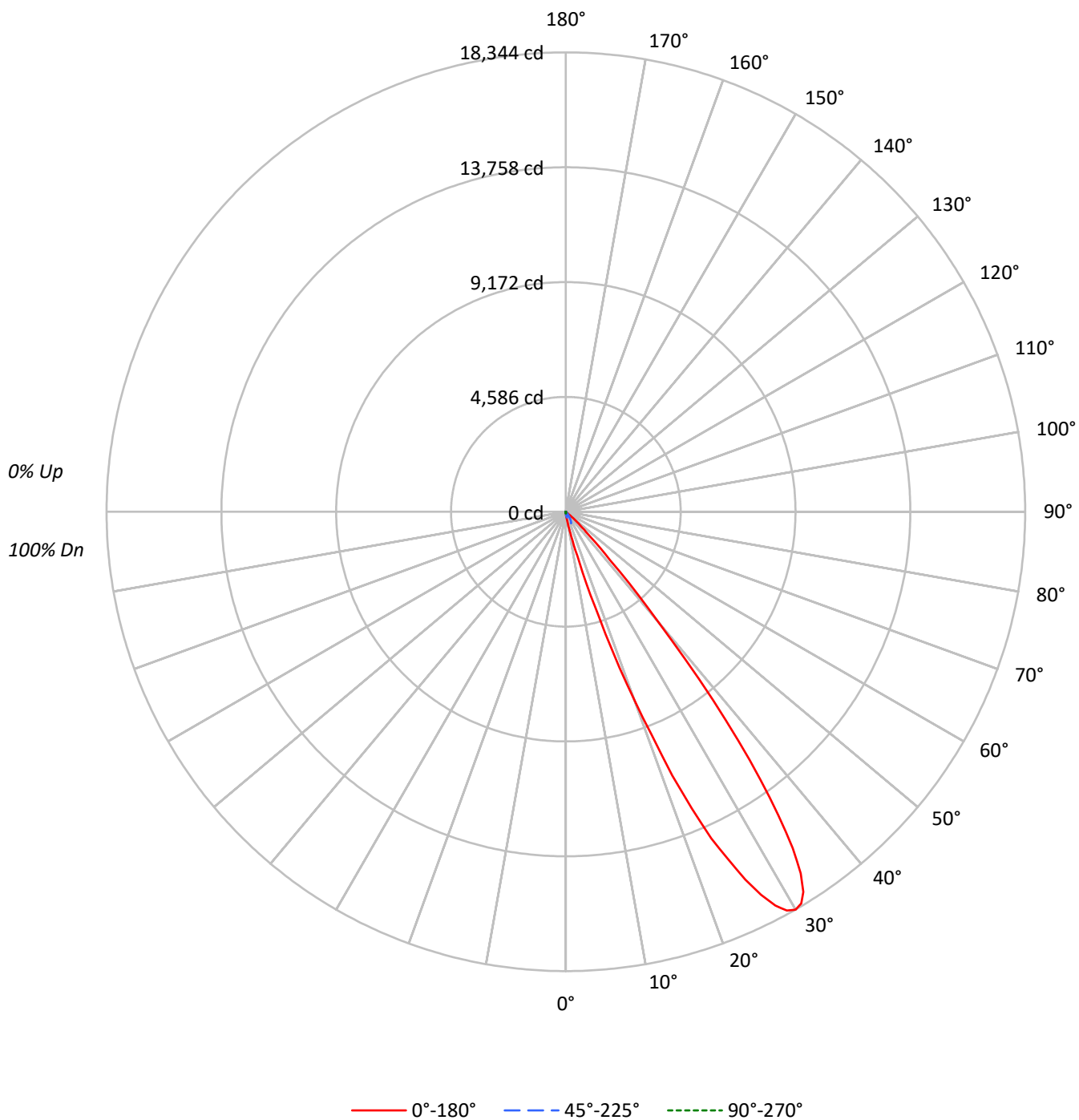
Lumens per Lamp: N/A
Luminaire Lumens: 1940.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 2.33 / 0.38 / 1.17
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11952	11952	11952	11952	11952
5°	34559	26105	10235	4236	2818
10°	89906	38893	6785	0	0
15°	359360	63652	3637	0	0
20°	1468238	93837	1118	0	0
25°	2902391	93037	0	0	0
30°	3647950	73421	0	0	0
35°	3112551	45034	0	0	0
40°	1281433	14209	0	0	0
45°	277244	5967	0	0	0
50°	35528	0	0	0	0
55°	3063	0	601	0	0
60°	0	0	1412	0	0
65°	0	0	1671	0	0
70°	0	1007	3072	0	0
75°	0	1331	4059	0	0
80°	0	1984	6050	0	0
85°	0	3952	12054	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 290177 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.5
10°-20°	136.0	7.0
20°-30°	792.4	40.8
30°-40°	849.7	43.8
40°-50°	143.4	7.4
50°-60°	4.3	0.2
60°-70°	1.3	0.1
70°-80°	1.9	0.1
80°-90°	1.7	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°	937.7	48.3
0°-40°	1787.4	92.1
0°-60°	1935.1	99.8
0°-90°	1940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	200	151	59	24	16	27
15°	2016	357	20	0	0	932
25°	15274	490	0	0	0	6910
35°	14804	214	0	0	0	8508
45°	1138	24	0	0	0	1345
55°	10	0	2	0	0	26
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	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	126.5	128.5	130.6	130.6	130.6	130.6	128.5	128.5	128.5	128.5	126.5
5°	199.9	199.9	199.9	199.9	199.9	199.9	197.9	197.9	197.9	197.9	197.9
7.5°	285.6	281.5	283.6	277.4	281.5	279.5	277.4	281.5	281.5	271.3	271.3
10°	514.1	512.0	491.6	495.7	499.8	497.8	497.8	485.5	483.5	475.3	467.2
12.5°	991.4	1013.9	1030.2	1030.2	991.4	1005.7	979.2	985.3	989.4	977.2	934.3
15°	2015.5	2052.3	2013.5	2050.2	2035.9	1982.9	1923.7	1844.2	1874.8	1819.7	1801.3
17.5°	4414.6	4498.2	4463.6	4294.2	4349.3	4218.8	4137.2	4106.6	4020.9	3765.9	3659.8
20°	8011.1	8113.1	8017.3	7819.4	7882.6	7635.8	7572.5	7513.4	7133.9	6995.2	6550.5
21°	9524.8	9608.5	9645.2	9439.1	9312.7	9116.8	8953.6	8900.6	8670.1	8402.8	7945.9
22°	11352.7	11254.8	11034.4	11063.0	10875.3	10714.2	10487.7	10273.5	10016.5	9643.2	9265.7
23°	12866.4	12752.1	12648.1	12521.6	12319.7	12205.4	11881.0	11646.4	11311.9	10912.0	10548.9
24°	14276.0	14100.6	14035.3	13810.9	13753.8	13496.7	13233.6	12927.6	12523.7	12097.3	11695.4
25°	15273.6	15300.1	15243.0	15216.5	14924.7	14661.6	14400.5	13929.2	13584.5	13207.1	12588.9
26°	16342.6	16354.8	16326.2	16130.4	15867.2	15610.2	15273.6	14863.5	14363.7	13945.5	13386.6
27°	17160.6	17111.6	17070.8	16838.3	16622.0	16297.7	15991.7	15506.2	15018.6	14520.8	13872.1
28°	17813.4	17721.6	17670.6	17470.7	17217.7	16819.9	16444.6	15991.7	15504.1	14969.6	14267.9
29°	18207.1	18109.2	18052.1	17831.8	17540.0	17191.2	16811.8	16314.0	15789.7	15194.0	14488.2
30°	18343.8	18286.7	18196.9	17968.5	17666.5	17303.4	16913.8	16373.2	15824.4	15214.4	14467.8
31°	18254.1	18180.6	18094.9	17848.1	17521.7	17174.9	16722.0	16154.9	15577.6	14996.2	14204.6
32°	17897.1	17852.2	17748.1	17417.6	17152.4	16703.6	16256.9	15726.5	15096.1	14471.9	13755.8
33°	17227.9	17154.5	17064.7	16762.8	16424.2	15993.7	15549.0	15006.4	14380.1	13721.1	12933.7
34°	16207.9	16114.1	16001.9	15799.9	15367.4	14994.1	14480.0	13845.6	13327.4	12695.0	11983.0
35°	14804.4	14667.7	14533.1	14380.1	13894.5	13549.8	13203.0	12650.1	12150.3	11554.6	10748.8
36°	13229.5	13176.5	13066.3	12662.4	12505.3	12036.1	11756.6	11122.2	10718.2	10134.8	9469.7
37°	11448.6	11136.4	11295.6	11069.1	10595.8	10449.0	10116.4	9571.8	9135.2	8519.1	8037.7
38°	9539.1	9335.1	9447.3	9218.8	8972.0	8633.3	8380.4	7982.6	7493.0	7009.5	6552.5
39°	7560.3	7395.1	7517.5	7362.4	6987.1	6846.3	6621.9	6317.9	5924.2	5546.8	5114.3
40°	5699.8	5487.6	5650.8	5430.5	5259.2	5028.6	4914.4	4634.9	4390.1	4163.7	3888.3
42.5°	2603.1	2580.6	2543.9	2464.3	2446.0	2448.0	2307.3	2215.5	2091.0	1946.2	1858.5
45°	1138.3	1166.9	1191.4	1146.5	1144.4	1120.0	1111.8	1050.6	1026.1	979.2	922.1
47.5°	561.0	571.2	565.1	577.3	567.1	550.8	546.7	538.6	514.1	512.0	485.5
50°	132.6	130.6	130.6	132.6	130.6	130.6	128.5	124.4	122.4	124.4	118.3
52.5°	42.8	44.9	42.8	40.8	42.8	44.9	42.8	42.8	42.8	42.8	42.8
55°	10.2	10.2	10.2	10.2	10.2	10.2	8.2	8.2	10.2	10.2	10.2
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°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	124.4	106.1	87.7	69.4	51.0	40.8	38.8	36.7
5°	187.7	151.0	100.0	59.2	34.7	24.5	18.4	16.3
7.5°	253.0	187.7	110.2	49.0	24.5	10.2	4.1	2.0
10°	363.1	222.4	114.2	38.8	12.2	0.0	0.0	0.0
12.5°	712.0	255.0	112.2	30.6	2.0	0.0	0.0	0.0
15°	1183.2	357.0	104.0	20.4	0.0	0.0	0.0	0.0
17.5°	1938.0	461.0	89.8	14.3	0.0	0.0	0.0	0.0
20°	3004.9	512.0	69.4	6.1	0.0	0.0	0.0	0.0
21°	3523.1	516.1	61.2	4.1	0.0	0.0	0.0	0.0
22°	3971.9	516.1	53.0	2.0	0.0	0.0	0.0	0.0
23°	4388.1	510.0	46.9	0.0	0.0	0.0	0.0	0.0
24°	4730.8	501.8	42.8	0.0	0.0	0.0	0.0	0.0
25°	4987.8	489.6	38.8	0.0	0.0	0.0	0.0	0.0
26°	5106.2	473.3	32.6	0.0	0.0	0.0	0.0	0.0
27°	5165.3	450.8	28.6	0.0	0.0	0.0	0.0	0.0
28°	5124.5	426.4	24.5	0.0	0.0	0.0	0.0	0.0
29°	5022.5	399.8	18.4	0.0	0.0	0.0	0.0	0.0
30°	4889.9	369.2	14.3	0.0	0.0	0.0	0.0	0.0
31°	4696.1	338.6	10.2	0.0	0.0	0.0	0.0	0.0
32°	4430.9	308.0	8.2	0.0	0.0	0.0	0.0	0.0
33°	4075.9	275.4	4.1	0.0	0.0	0.0	0.0	0.0
34°	3637.3	242.8	2.0	0.0	0.0	0.0	0.0	0.0
35°	3145.7	214.2	0.0	0.0	0.0	0.0	0.0	0.0
36°	2723.4	183.6	0.0	0.0	0.0	0.0	0.0	0.0
37°	2299.1	146.9	0.0	0.0	0.0	0.0	0.0	0.0
38°	1925.8	116.3	0.0	0.0	0.0	0.0	0.0	0.0
39°	1593.3	93.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	1319.9	63.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	730.3	42.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	442.7	24.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	257.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0
50°	97.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8.2	0.0	0.0	2.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	2.0	4.1	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	2.0	4.1	2.0	0.0	0.0	0.0
65°	0.0	0.0	4.1	4.1	2.0	0.0	0.0	0.0
67.5°	0.0	0.0	4.1	6.1	2.0	0.0	0.0	0.0
70°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
72.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
75°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
77.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
80°	0.0	2.0	4.1	6.1	2.0	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°
82.5°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
85°	0.0	2.0	4.1	6.1	2.0	0.0	0.0	0.0
87.5°	0.0	2.0	4.1	6.1	2.0	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)