

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: P1309587

Luminaire Tested: P3SQAS24R359035D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309587
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: P3SQAS24R359035D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

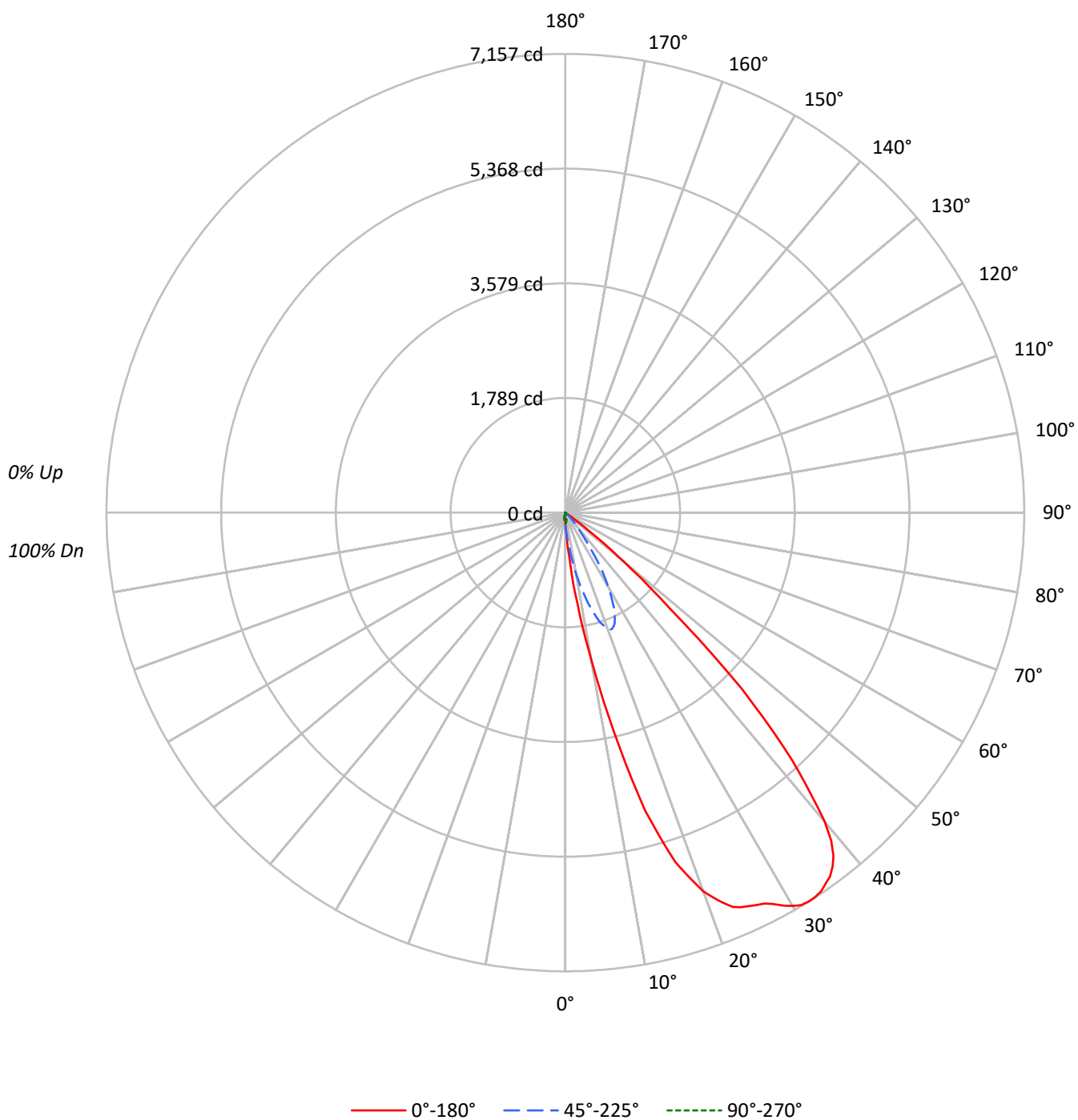
Lumens per Lamp: N/A
Luminaire Lumens: 2138.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	27745	27745	27745	27745	27745
5°	120601	74754	25742	9163	6345
10°	405913	168724	19254	2134	717
15°	858986	276754	11999	0	0
20°	1151740	353630	5608	0	0
25°	1287184	347274	1159	0	0
30°	1409102	266082	0	0	0
35°	1487168	144943	0	0	0
40°	1413717	65108	0	0	0
45°	948835	28813	0	0	0
50°	316962	2733	0	0	0
55°	17145	0	0	0	0
60°	0	0	689	0	0
65°	0	0	1671	0	0
70°	0	1007	2065	0	0
75°	0	1331	2728	0	0
80°	0	1984	4066	0	0
85°	0	3952	8102	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 948835 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	1.6
10°-20°	296.6	13.9
20°-30°	650.9	30.4
30°-40°	752.8	35.2
40°-50°	371.6	17.4
50°-60°	27.5	1.3
60°-70°	0.9	0.0
70°-80°	1.5	0.1
80°-90°	1.4	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°	982.1	45.9
0°-40°	1735.0	81.2
0°-60°	2134.1	99.8
0°-90°	2138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2138.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	161	161	161	161	161	
5°	698	432	149	53	37	120
15°	4818	1552	67	0	0	1360
25°	6774	1828	6	0	0	3132
35°	7074	689	0	0	0	4368
45°	3896	118	0	0	0	2859
55°	57	0	0	0	0	233
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1
2.5°	320.2	328.4	324.3	324.3	322.3	312.1	293.7	287.6	265.2	210.1	163.2
5°	697.6	699.6	693.5	662.9	636.4	611.9	558.9	534.4	432.4	257.0	148.9
7.5°	1415.5	1384.9	1346.2	1303.3	1209.5	1123.8	1011.7	893.4	669.0	297.8	132.6
10°	2321.1	2278.3	2245.7	2143.7	1974.4	1799.0	1584.8	1391.0	964.8	326.3	110.1
12.5°	3489.8	3465.4	3349.1	3145.1	2894.3	2641.3	2268.1	1960.1	1262.5	332.5	89.7
15°	4817.7	4776.9	4599.4	4309.8	3969.2	3571.4	3071.7	2553.6	1552.2	314.1	67.3
17.5°	5725.3	5702.9	5549.9	5246.0	4854.4	4348.5	3757.0	3110.5	1790.8	275.4	46.9
20°	6284.2	6251.5	6108.8	5851.8	5441.8	4913.5	4211.9	3465.4	1929.5	226.4	30.6
21°	6429.0	6396.3	6282.1	6014.9	5623.3	5056.3	4336.3	3551.0	1956.0	204.0	24.5
22°	6565.6	6533.0	6412.7	6176.1	5788.5	5197.0	4434.2	3616.3	1951.9	185.6	18.4
23°	6679.9	6645.2	6526.9	6308.6	5919.1	5321.4	4507.6	3648.9	1925.4	167.3	14.3
24°	6739.0	6718.6	6612.5	6406.5	6025.1	5409.2	4558.6	3661.2	1892.8	148.9	10.2
25°	6773.7	6749.2	6645.2	6455.5	6094.5	5478.5	4591.3	3651.0	1827.5	132.6	6.1
26°	6810.4	6773.7	6655.4	6471.8	6131.2	5511.1	4593.3	3624.5	1758.2	118.3	2.0
27°	6843.0	6808.4	6686.0	6484.0	6137.3	5500.9	4577.0	3573.5	1674.6	104.0	2.0
28°	6914.4	6875.7	6734.9	6510.6	6143.4	5474.4	4526.0	3504.1	1564.4	91.8	0.0
29°	7008.2	6967.4	6806.3	6573.8	6157.7	5445.9	4456.6	3412.3	1468.5	81.6	0.0
30°	7085.7	7049.0	6900.1	6653.3	6194.4	5419.4	4375.1	3287.9	1338.0	69.3	0.0
31°	7142.9	7106.1	6969.5	6720.6	6227.1	5394.9	4273.1	3159.4	1219.7	61.2	0.0
32°	7157.1	7126.5	6998.0	6749.2	6227.1	5358.2	4179.2	3014.6	1103.5	51.0	0.0
33°	7151.0	7120.4	6989.9	6728.8	6172.0	5270.5	4065.0	2841.2	970.9	44.9	0.0
34°	7128.6	7091.9	6953.2	6663.5	6063.9	5121.6	3899.8	2667.9	832.2	36.7	0.0
35°	7073.5	7040.9	6889.9	6541.2	5896.6	4895.2	3679.5	2468.0	689.4	30.6	0.0
36°	7020.5	6971.5	6785.9	6390.2	5676.3	4662.6	3416.4	2237.5	567.0	24.5	0.0
37°	6922.6	6853.2	6665.6	6172.0	5364.3	4334.3	3116.6	1984.6	475.2	18.4	0.0
38°	6792.0	6698.2	6459.6	5919.1	5050.2	4026.3	2835.1	1756.1	399.8	12.2	0.0
39°	6590.1	6480.0	6155.7	5572.3	4687.1	3669.3	2512.8	1513.4	340.6	8.2	0.0
40°	6288.2	6184.2	5825.2	5160.3	4326.1	3275.7	2182.4	1240.1	289.6	4.1	0.0
42.5°	5235.8	5093.0	4676.9	4016.1	3198.2	2355.8	1444.1	689.4	191.7	0.0	0.0
45°	3895.7	3769.3	3361.3	2759.6	2131.4	1442.0	773.0	405.9	118.3	0.0	0.0
47.5°	2200.8	2186.5	1921.4	1584.8	1189.1	766.9	391.6	244.8	51.0	0.0	0.0
50°	1183.0	1109.6	956.6	726.1	495.6	334.5	212.1	134.6	10.2	0.0	0.0
52.5°	432.4	418.1	350.8	291.7	224.4	153.0	108.1	59.1	0.0	0.0	0.0
55°	57.1	53.0	55.1	59.1	61.2	53.0	34.7	12.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	4.1	4.1	4.1	0.0	0.0	0.0	2.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1



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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	2.0	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	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

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	161.1	161.1	161.1	161.1
2.5°	124.4	95.9	81.6	79.5
5°	85.7	53.0	38.8	36.7
7.5°	59.1	26.5	18.4	16.3
10°	34.7	12.2	6.1	4.1
12.5°	20.4	2.0	0.0	0.0
15°	6.1	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°	2.0	0.0	0.0	0.0
67.5°	2.0	0.0	0.0	0.0
70°	2.0	0.0	0.0	0.0
72.5°	2.0	0.0	0.0	0.0
75°	2.0	0.0	0.0	0.0
77.5°	2.0	0.0	0.0	0.0
80°	2.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	2.0	0.0	0.0	0.0
85°	2.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)