

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: P1309630

Luminaire Tested: P3SQAS24R559035D010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559035D010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

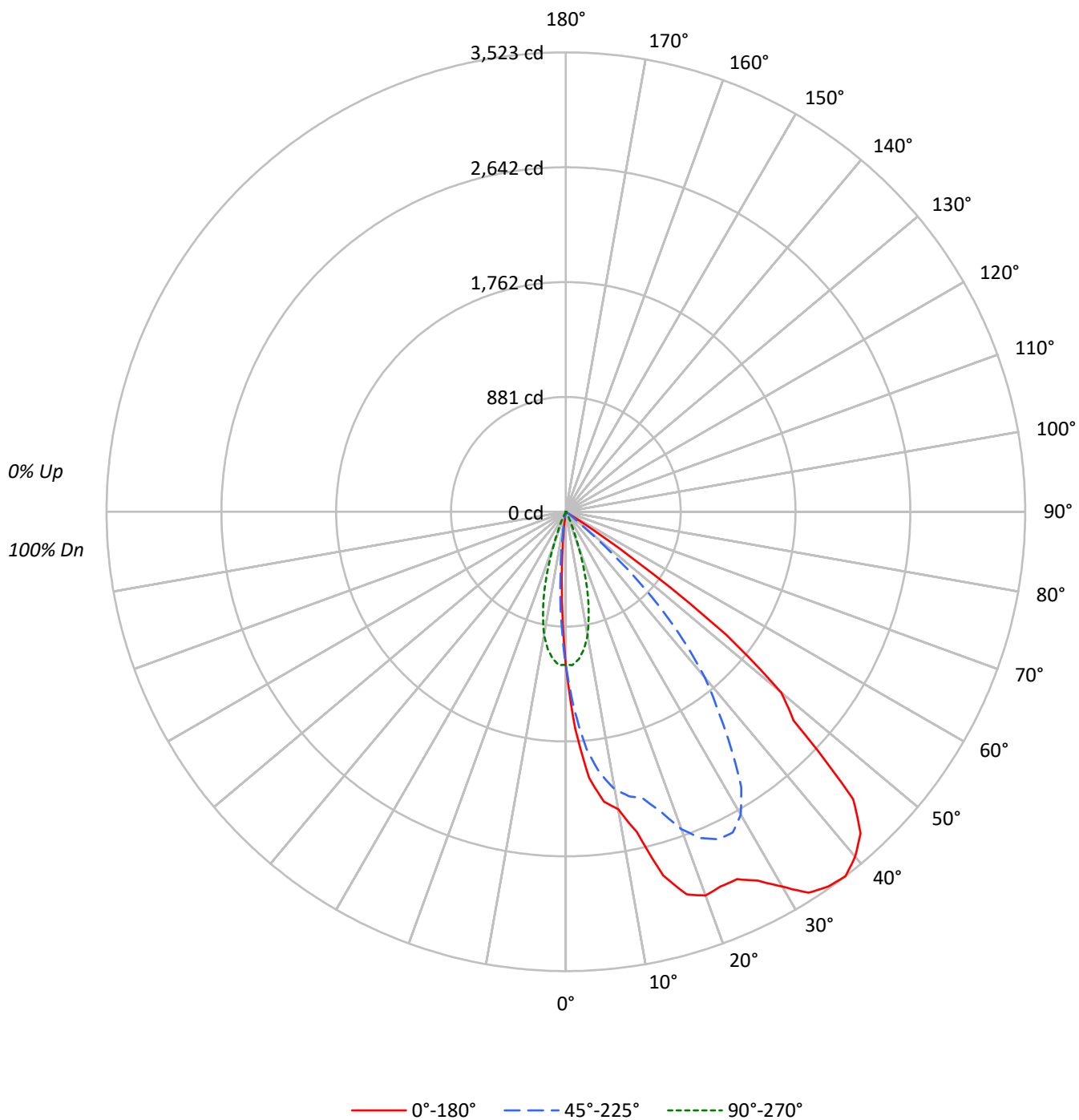
Lumens per Lamp: N/A
Luminaire Lumens: 2171.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	202034	202034	202034	202034	202034
5°	354128	315680	196116	81479	46902
10°	405318	377845	167692	8919	3218
15°	515085	405592	114949	1819	1088
20°	573964	474500	50474	0	0
25°	590850	526488	14347	0	0
30°	660114	533536	2028	0	0
35°	737771	463254	0	0	0
40°	776081	372910	0	0	0
45°	758786	235546	0	0	0
50°	577793	48094	0	0	0
55°	189285	0	0	0	0
60°	0	0	0	0	0
65°	0	815	815	0	0
70°	0	1007	1007	0	0
75°	0	1331	1331	0	0
80°	0	1984	4066	1984	0
85°	0	3952	3952	3952	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 758786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	4.9
10°-20°	314.1	14.5
20°-30°	510.8	23.5
30°-40°	607.1	28.0
40°-50°	496.5	22.9
50°-60°	131.6	6.1
60°-70°	0.8	0.0
70°-80°	1.3	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°	932.2	42.9
0°-40°	1539.3	70.9
0°-60°	2167.3	99.8
0°-90°	2171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2171.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1173	1173	1173	1173	1173	
5°	2048	1826	1134	471	271	201
15°	2889	2275	645	10	6	808
25°	3109	2771	76	0	0	1464
35°	3509	2203	0	0	0	2182
45°	3115	967	0	0	0	2236
55°	630	0	0	0	0	709
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1	1173.1
2.5°	1664.8	1652.6	1654.6	1648.5	1654.6	1628.1	1599.5	1573.0	1552.6	1524.0	1350.6
5°	2048.4	2028.0	2021.8	2013.7	2005.5	1972.9	1946.3	1913.7	1874.9	1826.0	1507.7
7.5°	2242.2	2225.9	2217.7	2221.8	2203.4	2191.2	2156.5	2119.8	2079.0	2025.9	1626.0
10°	2317.7	2301.3	2299.3	2297.3	2295.2	2287.1	2270.7	2238.1	2201.4	2160.6	1693.4
12.5°	2515.6	2478.8	2454.4	2425.8	2391.1	2346.2	2309.5	2280.9	2266.7	2234.0	1724.0
15°	2888.9	2854.2	2827.7	2791.0	2725.7	2629.8	2542.1	2429.9	2331.9	2274.8	1711.7
17.5°	3076.6	3060.3	3037.9	3013.4	2968.5	2899.1	2809.4	2691.0	2566.6	2405.4	1652.6
20°	3131.7	3123.5	3107.2	3097.0	3066.4	3017.5	2956.2	2864.4	2748.1	2589.0	1560.8
22.5°	3109.3	3115.4	3123.5	3150.1	3154.1	3119.5	3062.3	2974.6	2856.3	2709.4	1420.0
25°	3109.3	3105.2	3105.2	3160.3	3195.0	3178.6	3137.8	3058.3	2937.9	2770.6	1246.6
27.5°	3188.8	3164.3	3113.3	3170.5	3227.6	3221.5	3184.7	3090.9	2956.2	2772.6	1034.4
30°	3319.4	3266.4	3182.7	3235.8	3288.8	3266.4	3207.2	3086.8	2915.4	2682.9	775.3
32.5°	3464.3	3439.8	3396.9	3431.6	3423.5	3333.7	3227.6	3060.3	2831.8	2503.3	522.3
35°	3509.1	3513.2	3484.7	3478.5	3431.6	3339.8	3227.6	2984.8	2656.3	2203.4	310.1
37.5°	3523.4	3525.5	3480.6	3423.5	3354.1	3246.0	3111.3	2829.8	2331.9	1913.7	165.3
40°	3452.0	3450.0	3376.5	3307.2	3229.6	3123.5	2927.7	2503.3	2023.9	1658.7	59.2
42.5°	3345.9	3319.4	3250.0	3164.3	3070.5	2937.9	2631.9	2113.6	1758.7	1328.2	4.1
45°	3115.4	3090.9	3035.8	2944.0	2840.0	2652.3	2168.7	1815.8	1430.2	967.1	0.0
47.5°	2368.7	2356.4	2413.6	2425.8	2423.8	2209.5	1809.7	1481.2	1050.7	563.1	0.0
50°	2156.5	2140.2	2083.0	2009.6	1879.0	1699.5	1450.6	1097.6	616.1	179.5	0.0
52.5°	1548.5	1601.6	1613.8	1558.7	1436.3	1258.8	999.7	632.5	214.2	0.0	0.0
55°	630.4	597.8	622.3	652.9	677.3	622.3	461.1	224.4	2.0	0.0	0.0
57.5°	0.0	2.0	12.2	28.6	46.9	59.2	63.2	4.1	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	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	2.0	0.0	2.0	2.0	2.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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):

	90°	112.5°	135°	157.5°	180°
0°	1173.1	1173.1	1173.1	1173.1	1173.1
2.5°	1177.2	995.6	820.2	724.3	677.3
5°	1134.4	761.0	471.3	326.4	271.3
7.5°	1062.9	522.3	187.7	77.5	55.1
10°	958.9	299.9	51.0	20.4	18.4
12.5°	810.0	136.7	18.4	14.3	14.3
15°	644.7	46.9	10.2	8.2	6.1
17.5°	452.9	12.2	4.1	0.0	0.0
20°	275.4	2.0	0.0	0.0	0.0
22.5°	153.0	0.0	0.0	0.0	0.0
25°	75.5	0.0	0.0	0.0	0.0
27.5°	32.6	0.0	0.0	0.0	0.0
30°	10.2	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	2.0	0.0	0.0	0.0	0.0
65°	2.0	2.0	0.0	0.0	0.0
67.5°	2.0	2.0	0.0	0.0	0.0
70°	2.0	2.0	0.0	0.0	0.0
72.5°	2.0	2.0	0.0	0.0	0.0
75°	2.0	2.0	0.0	0.0	0.0
77.5°	4.1	2.0	2.0	0.0	0.0
80°	4.1	2.0	2.0	0.0	0.0
82.5°	4.1	2.0	2.0	0.0	0.0
85°	2.0	2.0	2.0	0.0	0.0
87.5°	4.1	2.0	2.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)