

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: P1311827

Luminaire Tested: P3SQAS24R559050D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R559050D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

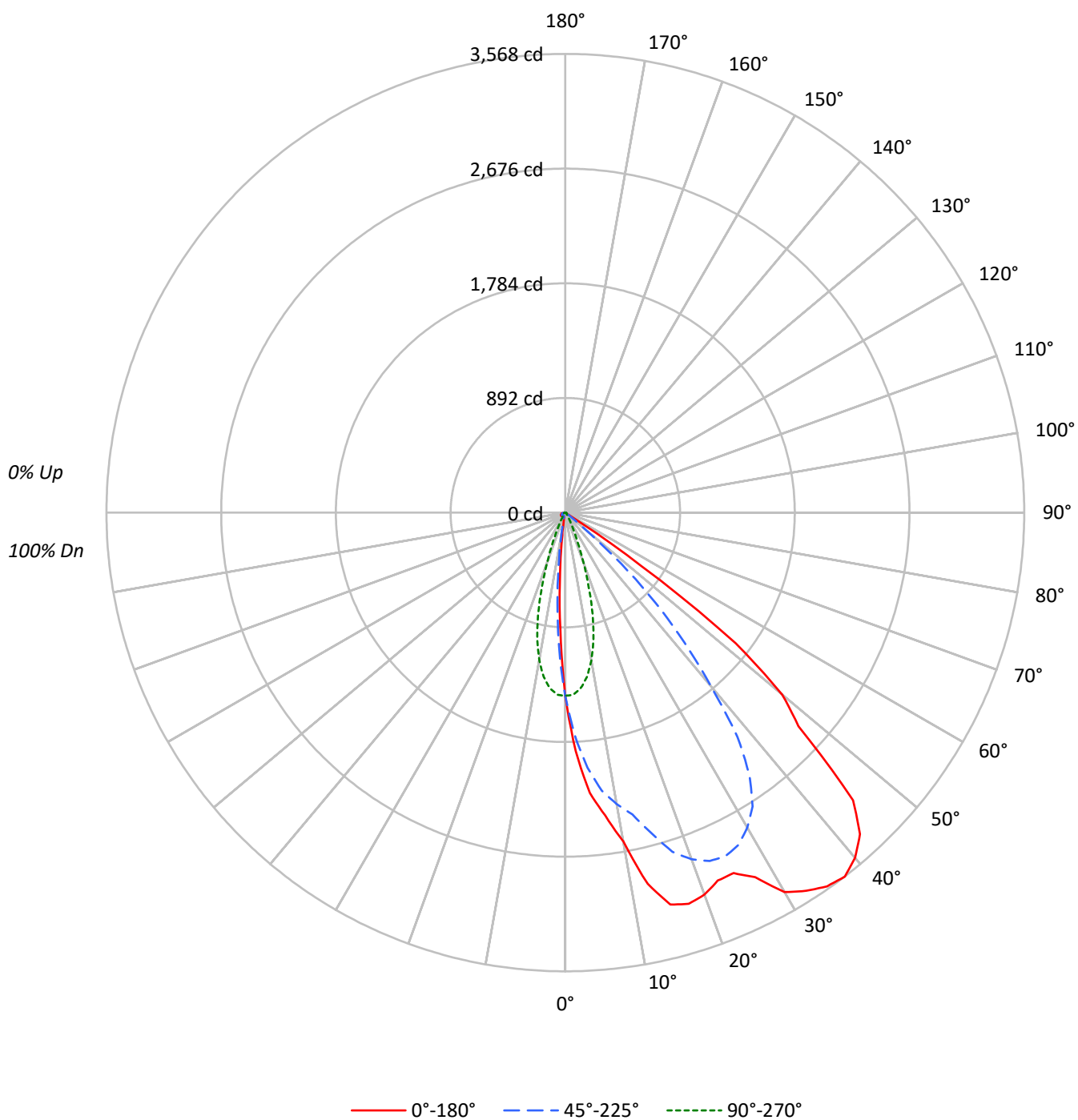
Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	245262	245262	245262	245262	245262
5°	378211	344326	236915	121673	79923
10°	454424	402450	203927	30674	12277
15°	562655	459617	145723	8469	6633
20°	579499	525781	75271	5682	5682
25°	587904	560066	30195	5093	5891
30°	677634	562710	13125	5330	6165
35°	745907	524624	5635	5635	6938
40°	787884	394875	3237	6497	7419
45°	770623	241294	3020	7039	9060
50°	589475	51416	3322	8306	10503
55°	216278	1862	3723	9308	11770
60°	2136	2136	4271	10678	13502
65°	2527	2527	5053	10921	14304
70°	2065	3122	5187	12488	16617
75°	1397	2728	5523	13708	19231
80°	2083	4066	6149	14282	20431
85°	0	4150	8102	16401	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 770623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	5.3
10°-20°	359.0	15.1
20°-30°	550.8	23.2
30°-40°	641.8	27.0
40°-50°	512.8	21.6
50°-60°	151.8	6.4
60°-70°	16.3	0.7
70°-80°	12.7	0.5
80°-90°	5.4	0.2
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°	1035.2	43.6
0°-40°	1676.9	70.6
0°-60°	2341.6	98.6
0°-90°	2376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1424	1424	1424	1424	1424	
5°	2188	1992	1370	704	462	218
15°	3156	2578	817	48	37	871
25°	3094	2947	159	27	31	1470
35°	3548	2495	27	27	33	2210
45°	3164	991	12	29	37	2281
55°	720	6	12	31	39	763
65°	6	6	12	27	35	5
75°	2	4	8	21	29	3
85°	0	2	4	8	10	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1
2.5°	1857.5	1857.5	1851.3	1853.4	1849.3	1826.6	1822.4	1793.5	1768.8	1741.9	1719.2
5°	2187.7	2191.9	2185.7	2173.3	2156.8	2140.3	2105.2	2078.3	2043.3	1991.7	1944.2
7.5°	2375.6	2371.4	2361.1	2357.0	2346.7	2328.1	2303.3	2274.4	2233.1	2181.5	2125.8
10°	2598.5	2563.4	2553.0	2536.5	2503.5	2466.4	2423.0	2383.8	2348.7	2301.3	2241.4
12.5°	2957.6	2951.4	2910.1	2879.1	2833.7	2751.2	2676.9	2590.2	2487.0	2404.4	2326.0
15°	3155.7	3159.8	3141.3	3116.5	3087.6	3019.5	2945.2	2844.1	2722.3	2577.8	2449.9
17.5°	3190.8	3197.0	3186.7	3176.3	3168.1	3128.9	3083.5	3011.2	2899.8	2765.6	2575.8
20°	3161.9	3174.3	3176.3	3188.7	3205.2	3188.7	3151.6	3102.0	3009.2	2868.8	2687.2
22.5°	3097.9	3120.6	3137.1	3180.5	3223.8	3223.8	3201.1	3161.9	3071.1	2932.8	2747.1
25°	3093.8	3097.9	3104.1	3174.3	3242.4	3256.8	3236.2	3194.9	3095.9	2947.3	2745.0
27.5°	3197.0	3170.2	3128.9	3199.0	3279.5	3291.9	3263.0	3207.3	3089.7	2914.2	2674.8
30°	3407.5	3347.6	3261.0	3312.6	3368.3	3353.8	3296.1	3207.3	3048.4	2829.6	2542.7
32.5°	3488.0	3455.0	3424.0	3479.7	3490.1	3430.2	3327.0	3194.9	2982.3	2709.9	2326.0
35°	3547.8	3549.9	3537.5	3547.8	3498.3	3413.7	3300.2	3126.8	2858.5	2495.3	2039.1
37.5°	3568.5	3572.6	3545.8	3508.6	3434.3	3337.3	3201.1	3003.0	2652.1	2200.1	1605.7
40°	3504.5	3492.1	3448.8	3397.2	3316.7	3217.6	3069.0	2773.9	2344.6	1756.4	1252.8
42.5°	3391.0	3370.4	3318.8	3256.8	3172.2	3046.3	2809.0	2451.9	1905.0	1370.4	877.2
45°	3164.0	3149.5	3085.5	3040.1	2939.0	2775.9	2470.5	2020.6	1473.6	990.7	507.7
47.5°	2458.1	2460.2	2509.7	2532.4	2497.3	2367.3	2008.2	1535.5	1075.3	590.3	171.3
50°	2200.1	2189.8	2140.3	2072.2	1958.6	1764.6	1473.6	1085.6	635.7	191.9	24.8
52.5°	1669.7	1669.7	1644.9	1609.8	1490.1	1302.3	996.9	600.6	222.9	33.0	6.2
55°	720.3	683.2	703.8	743.0	712.0	619.2	466.4	179.6	39.2	6.2	6.2
57.5°	10.3	24.8	37.2	59.9	80.5	97.0	51.6	18.6	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	4.1	4.1	4.1	6.2	4.1	6.2	6.2	6.2	6.2	6.2	6.2
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1	1424.1
2.5°	1686.2	1651.1	1593.3	1417.9	1236.3	1069.1	949.4	904.0
5°	1890.5	1826.6	1729.6	1370.4	1009.2	703.8	530.4	462.3
7.5°	2051.5	1969.0	1828.6	1287.9	740.9	375.6	225.0	177.5
10°	2158.8	2068.0	1884.3	1166.1	491.2	175.4	84.6	70.2
12.5°	2237.3	2123.8	1905.0	1009.2	288.9	80.5	45.4	41.3
15°	2295.1	2148.5	1880.2	817.3	158.9	47.5	37.2	37.2
17.5°	2375.6	2160.9	1820.4	602.7	90.8	35.1	35.1	35.1
20°	2437.5	2160.9	1706.8	410.7	55.7	31.0	31.0	31.0
22.5°	2468.4	2127.9	1568.6	260.1	39.2	28.9	31.0	31.0
25°	2437.5	2047.4	1391.1	158.9	31.0	26.8	28.9	31.0
27.5°	2324.0	1886.4	1153.7	101.1	24.8	26.8	28.9	31.0
30°	2134.1	1653.2	885.4	66.0	22.7	26.8	28.9	31.0
32.5°	1865.8	1306.5	573.8	43.3	20.6	26.8	28.9	31.0
35°	1457.1	924.6	346.7	26.8	20.6	26.8	31.0	33.0
37.5°	1091.8	617.1	187.8	16.5	20.6	26.8	31.0	33.0
40°	757.5	359.1	80.5	14.4	20.6	28.9	33.0	33.0
42.5°	439.6	142.4	20.6	12.4	20.6	28.9	33.0	35.1
45°	161.0	28.9	6.2	12.4	22.7	28.9	33.0	37.2
47.5°	22.7	6.2	6.2	12.4	22.7	28.9	35.1	37.2
50°	6.2	6.2	6.2	12.4	22.7	31.0	37.2	39.2
52.5°	6.2	6.2	6.2	12.4	22.7	31.0	37.2	39.2
55°	6.2	6.2	6.2	12.4	22.7	31.0	37.2	39.2
57.5°	6.2	6.2	6.2	12.4	22.7	31.0	37.2	39.2
60°	6.2	6.2	6.2	12.4	20.6	31.0	37.2	39.2
62.5°	6.2	6.2	6.2	12.4	20.6	28.9	35.1	37.2
65°	6.2	6.2	6.2	12.4	18.6	26.8	35.1	35.1
67.5°	6.2	6.2	6.2	10.3	18.6	26.8	33.0	35.1
70°	6.2	6.2	6.2	10.3	16.5	24.8	31.0	33.0
72.5°	6.2	6.2	6.2	8.3	14.4	22.7	28.9	31.0
75°	4.1	6.2	6.2	8.3	14.4	20.6	26.8	28.9
77.5°	4.1	6.2	6.2	6.2	12.4	16.5	22.7	24.8
80°	4.1	4.1	6.2	6.2	10.3	14.4	18.6	20.6
82.5°	4.1	4.1	4.1	6.2	8.3	10.3	14.4	14.4
85°	4.1	4.1	4.1	4.1	6.2	8.3	10.3	10.3
87.5°	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)