

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: P1308496

Luminaire Tested: P3SQAS24R459030D010 E3SQCA301MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R459030D010 E3SQCA301MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM  
Light Source: -  
Ballast/Driver: -

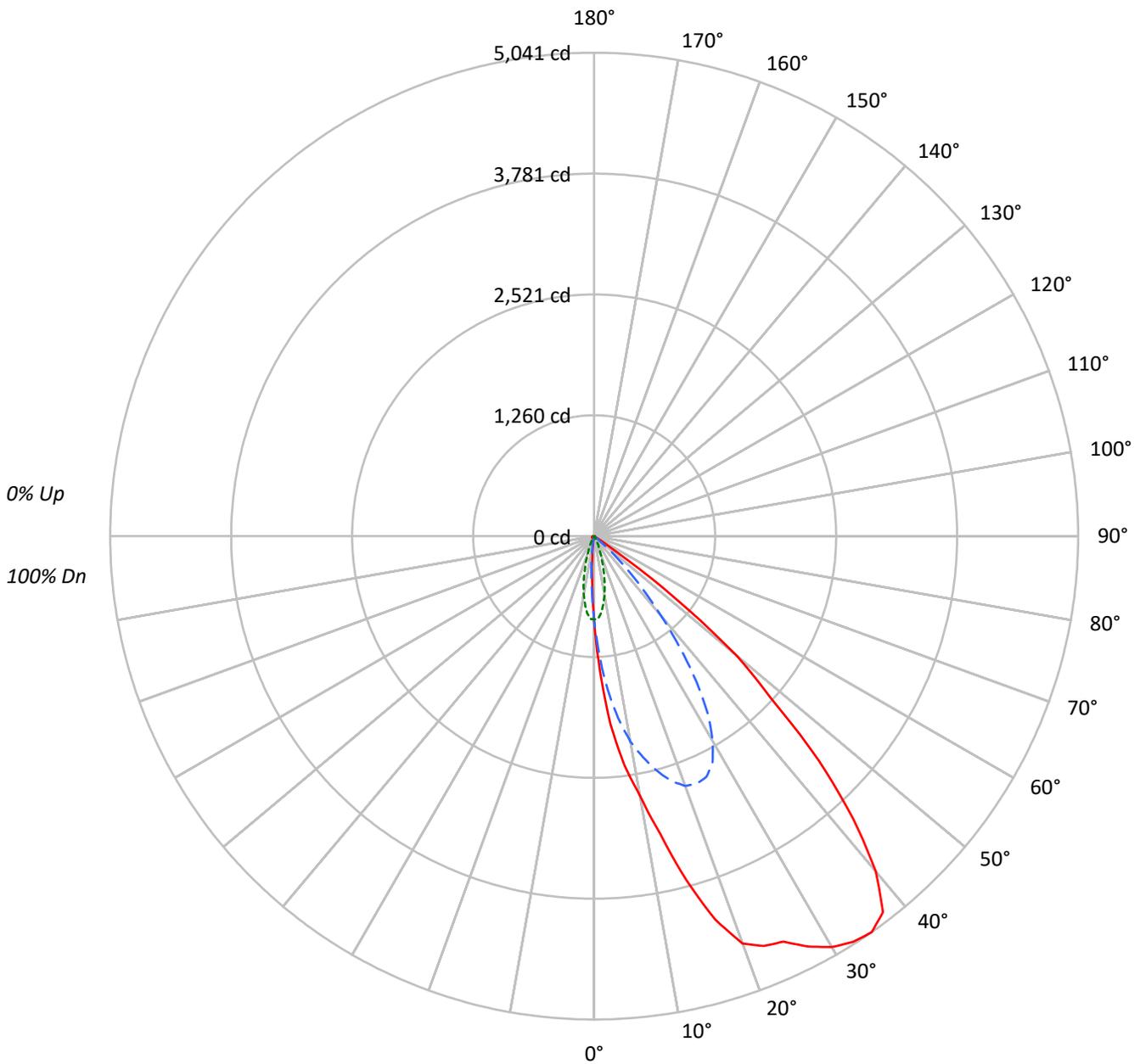
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2284.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 2.13 / 0.47 / 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



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	149679	149679	149679	149679	149679
5°	341128	276730	140016	56134	38310
10°	480691	380135	108233	12364	5684
15°	662413	452271	69144	4083	3405
20°	828295	507966	36050	2804	2804
25°	886379	525956	16703	2185	2546
30°	983828	491158	7597	2287	2665
35°	1059803	391560	2418	2418	3217
40°	1025497	242626	1281	3013	3867
45°	805305	114449	1388	3726	4652
50°	517401	13316	2036	4608	6136
55°	78578	1141	2282	5735	7446
60°	1309	1309	2618	6579	7888
65°	1549	1549	3097	7009	9332
70°	1913	1913	3827	7704	10574
75°	1264	2529	5057	8917	11445
80°	1884	3769	5653	9521	13290
85°	0	3754	7509	11263	11263

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 805305 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.1	4.2
10°-20°	343.9	15.1
20°-30°	604.2	26.5
30°-40°	686.1	30.0
40°-50°	444.2	19.4
50°-60°	87.2	3.8
60°-70°	10.6	0.5
70°-80°	8.8	0.4
80°-90°	4.0	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°	1043.1	45.7
0°-40°	1729.2	75.7
0°-60°	2260.6	99.0
0°-90°	2284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	869	869	869	869	869	
5°	1973	1601	810	325	222	210
15°	3715	2537	388	23	19	1070
25°	4664	2768	88	12	13	2187
35°	5041	1862	12	12	15	3099
45°	3306	470	6	15	19	2492
55°	262	4	8	19	25	500
65°	4	4	8	17	23	4
75°	2	4	8	13	17	2
85°	0	2	4	6	6	0
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°	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1
2.5°	1411.6	1407.8	1413.5	1375.3	1373.4	1344.7	1337.1	1304.6	1260.7	1239.7	1190.0
5°	1973.2	1954.1	1954.1	1908.2	1892.9	1860.5	1805.1	1736.3	1679.0	1600.7	1516.6
7.5°	2406.8	2402.9	2402.9	2362.8	2324.6	2278.8	2204.3	2126.0	2034.3	1913.9	1791.7
10°	2748.7	2754.4	2737.2	2700.9	2645.5	2595.9	2508.0	2412.5	2299.8	2173.7	2011.4
12.5°	3180.4	3138.3	3125.0	3042.8	2972.2	2876.7	2771.6	2662.7	2523.3	2364.7	2181.4
15°	3715.2	3661.7	3608.2	3499.4	3380.9	3233.8	3069.6	2909.1	2729.6	2536.6	2307.4
17.5°	4192.7	4192.7	4122.1	3950.1	3797.3	3579.6	3358.0	3144.1	2932.0	2678.0	2391.5
20°	4519.4	4502.2	4448.7	4322.6	4148.8	3902.4	3614.0	3314.1	3058.1	2771.6	2439.2
22.5°	4626.3	4622.5	4624.4	4549.9	4410.5	4154.5	3801.2	3447.8	3126.9	2794.5	2416.3
25°	4664.5	4672.2	4691.3	4662.6	4557.6	4301.6	3915.8	3510.8	3147.9	2767.8	2328.4
27.5°	4823.1	4807.8	4828.8	4809.7	4691.3	4385.7	3938.7	3495.5	3102.0	2670.4	2171.8
30°	4947.2	4943.4	4979.7	4962.5	4807.8	4439.1	3917.7	3438.2	2989.3	2469.8	1925.4
32.5°	5017.9	5019.8	5029.4	4958.7	4729.5	4322.6	3814.5	3321.7	2777.3	2208.1	1604.5
35°	5040.8	5029.4	4975.9	4802.1	4488.8	4053.3	3560.5	3044.7	2488.9	1862.4	1268.3
37.5°	4941.5	4882.3	4744.8	4485.0	4122.1	3715.2	3235.8	2695.2	2093.5	1470.8	945.5
40°	4561.4	4483.1	4309.2	4043.7	3705.6	3312.2	2821.3	2255.9	1623.6	1079.2	664.7
42.5°	3992.2	3952.1	3770.6	3539.5	3252.9	2855.6	2349.5	1776.4	1201.5	744.9	424.0
45°	3306.4	3254.9	3140.2	2935.9	2710.5	2294.1	1822.3	1272.1	819.4	469.9	210.1
47.5°	2479.3	2483.2	2404.8	2250.1	2028.6	1680.9	1247.3	853.8	513.8	242.6	47.8
50°	1931.1	1904.4	1793.6	1635.1	1377.2	1119.3	806.1	538.7	271.2	49.7	3.8
52.5°	1069.7	1086.9	1027.6	976.1	842.4	668.5	475.6	273.1	57.3	5.7	3.8
55°	261.7	277.0	265.5	271.2	280.8	250.2	192.9	53.5	5.7	3.8	3.8
57.5°	5.7	5.7	5.7	5.7	9.6	13.4	13.4	3.8	3.8	3.8	3.8
60°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70°	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
82.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	869.1	869.1	869.1	869.1	869.1	869.1	869.1	869.1
2.5°	1165.2	1128.9	1062.0	863.4	693.4	559.7	479.4	471.8
5°	1442.1	1344.7	1203.4	809.9	511.9	324.7	234.9	221.6
7.5°	1661.8	1524.3	1306.5	722.0	349.6	166.2	91.7	76.4
10°	1843.3	1648.4	1360.0	618.9	219.7	70.7	38.2	32.5
12.5°	1967.4	1732.5	1369.6	504.3	126.1	34.4	24.8	22.9
15°	2047.7	1759.2	1323.7	387.8	70.7	22.9	21.0	19.1
17.5°	2080.1	1736.3	1235.9	280.8	38.2	17.2	17.2	17.2
20°	2064.8	1661.8	1106.0	196.7	24.8	15.3	15.3	15.3
22.5°	1992.3	1533.8	943.6	131.8	17.2	13.4	13.4	13.4
25°	1849.0	1360.0	771.7	87.9	11.5	11.5	13.4	13.4
27.5°	1635.1	1146.1	590.2	59.2	9.6	11.5	13.4	13.4
30°	1365.7	907.3	424.0	38.2	9.6	11.5	11.5	13.4
32.5°	1085.0	660.9	278.9	22.9	7.6	11.5	13.4	15.3
35°	787.0	450.8	177.6	11.5	9.6	11.5	13.4	15.3
37.5°	552.0	294.2	103.1	7.6	9.6	11.5	15.3	15.3
40°	359.1	164.3	38.2	5.7	9.6	13.4	15.3	17.2
42.5°	187.2	57.3	7.6	5.7	9.6	13.4	17.2	19.1
45°	47.8	7.6	1.9	5.7	11.5	15.3	19.1	19.1
47.5°	5.7	1.9	1.9	7.6	11.5	17.2	19.1	21.0
50°	1.9	3.8	3.8	7.6	11.5	17.2	21.0	22.9
52.5°	3.8	3.8	3.8	7.6	13.4	17.2	22.9	24.8
55°	3.8	3.8	3.8	7.6	13.4	19.1	22.9	24.8
57.5°	3.8	3.8	3.8	7.6	13.4	19.1	22.9	22.9
60°	3.8	3.8	3.8	7.6	13.4	19.1	22.9	22.9
62.5°	3.8	3.8	5.7	7.6	13.4	17.2	22.9	22.9
65°	3.8	5.7	5.7	7.6	13.4	17.2	21.0	22.9
67.5°	3.8	3.8	5.7	7.6	13.4	17.2	21.0	22.9
70°	3.8	3.8	5.7	7.6	11.5	15.3	19.1	21.0
72.5°	3.8	3.8	5.7	7.6	11.5	15.3	17.2	19.1
75°	3.8	3.8	5.7	7.6	9.6	13.4	17.2	17.2
77.5°	3.8	3.8	5.7	5.7	9.6	11.5	15.3	15.3
80°	3.8	3.8	5.7	5.7	7.6	9.6	11.5	13.4
82.5°	3.8	3.8	3.8	5.7	5.7	7.6	9.6	9.6
85°	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7
87.5°	1.9	3.8	3.8	3.8	3.8	3.8	3.8	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)