

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: P1313768

Luminaire Tested: P3SQAS20R509730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R509730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

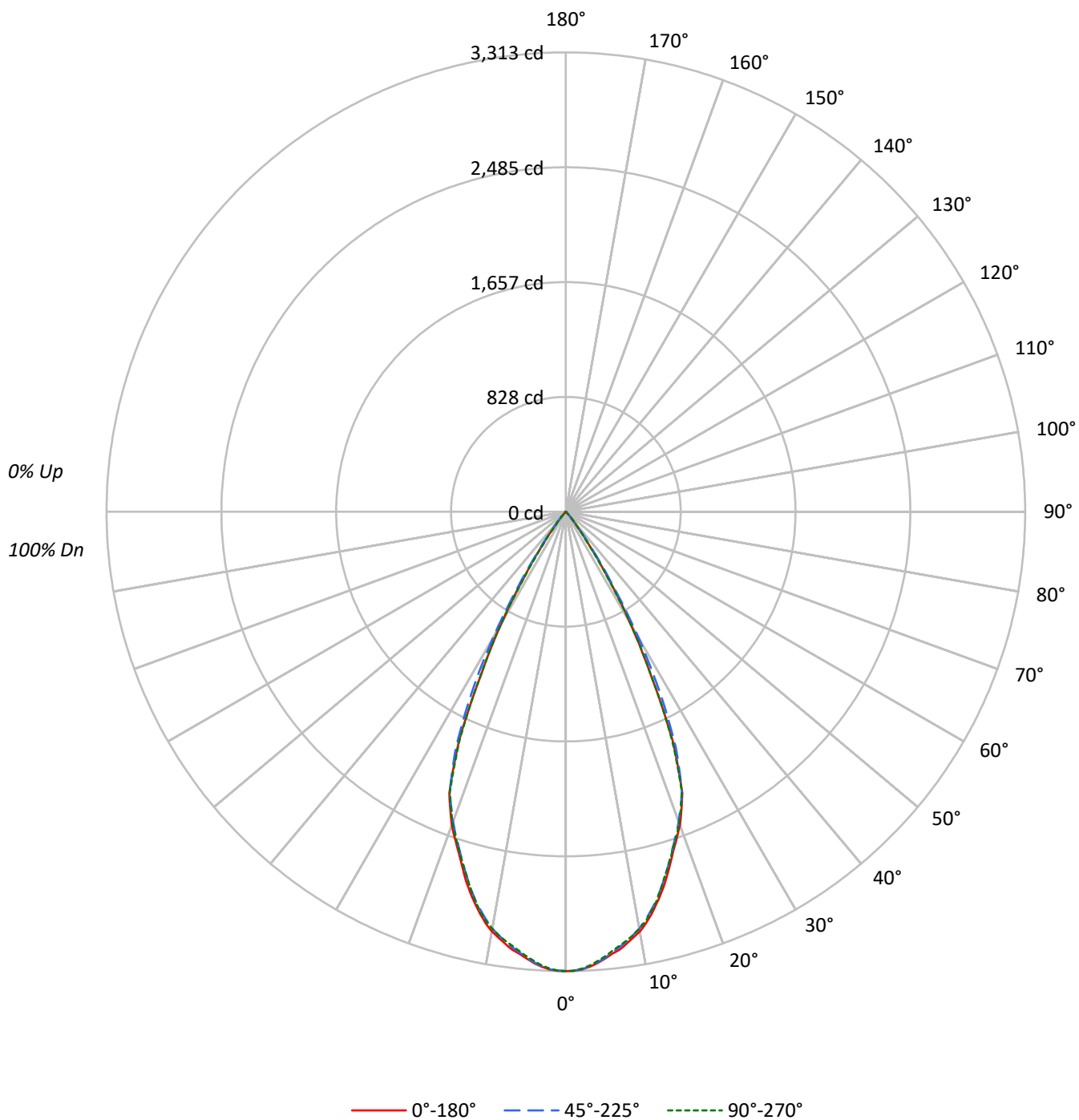
Lumens per Lamp: N/A
Luminaire Lumens: 2134.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	74	71	87	79	74	71	78	73	70		77	73	70		76
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	570556	570556	570556
5°	559372	558335	556762
10°	537492	533785	534047
15°	493404	488822	488287
20°	440796	436086	438303
25°	346457	356528	343568
30°	185343	207655	185959
35°	60530	70726	57039
40°	14996	18750	14321
45°	1851	6649	1851
50°	1206	2036	1206
55°	1351	1351	1351
60°	1033	1033	1033
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	14.2
10°-20°	766.2	35.9
20°-30°	805.8	37.7
30°-40°	232.2	10.9
40°-50°	18.9	0.9
50°-60°	4.0	0.2
60°-70°	2.9	0.1
70°-80°	1.6	0.1
80°-90°	0.4	0.0
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°	1874.9	87.8
0°-40°	2107.1	98.7
0°-60°	2130.1	99.8
0°-90°	2134.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2134.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3313	3313	3313	3313	3313	
5°	3236	3234	3230	3233	3220	304
15°	2767	2749	2742	2742	2739	771
25°	1823	1869	1876	1855	1808	790
35°	288	299	336	288	271	223
45°	8	15	27	15	8	14
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3312.9	3312.9	3312.9	3312.9	3312.9
1°	3311.4	3314.4	3308.4	3319.0	3309.9
2°	3303.8	3305.4	3302.3	3309.9	3297.8
3°	3285.7	3288.7	3282.6	3288.7	3278.1
4°	3264.4	3264.4	3258.4	3262.9	3249.3
5°	3235.6	3234.1	3229.6	3232.6	3220.5
6°	3205.3	3203.8	3196.2	3196.2	3187.1
7°	3182.6	3172.0	3165.9	3164.4	3155.3
8°	3146.2	3143.2	3131.1	3131.1	3125.0
9°	3109.9	3106.8	3093.2	3096.2	3091.7
10°	3073.5	3062.9	3052.3	3053.8	3053.8
11°	3025.0	3015.9	3000.7	3006.8	3009.8
12°	2967.4	2956.8	2943.1	2955.3	2953.8
13°	2903.7	2894.6	2884.0	2893.1	2890.1
14°	2837.1	2823.4	2814.3	2820.4	2817.4
15°	2767.3	2749.2	2741.6	2741.6	2738.6
17.5°	2571.8	2561.2	2553.7	2549.1	2559.7
20°	2405.1	2396.0	2379.4	2383.9	2391.5
22.5°	2196.0	2194.5	2185.4	2177.8	2186.9
25°	1823.2	1868.6	1876.2	1855.0	1808.0
27.5°	1324.6	1430.7	1468.5	1418.5	1332.1
30°	932.0	982.1	1044.2	945.7	935.1
32.5°	562.3	575.9	633.5	565.3	550.1
35°	287.9	298.6	336.4	287.9	271.3
37.5°	134.9	140.9	156.1	134.9	125.8
40°	66.7	74.3	83.4	69.7	63.7
42.5°	28.8	37.9	48.5	36.4	25.8
45°	7.6	15.2	27.3	15.2	7.6
47.5°	4.5	6.1	15.2	6.1	4.5
50°	4.5	4.5	7.6	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.0	4.5	3.0	4.5	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	1.5	0.0	1.5	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)