

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: P1313777

Luminaire Tested: P3SQAS20R559730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R559730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

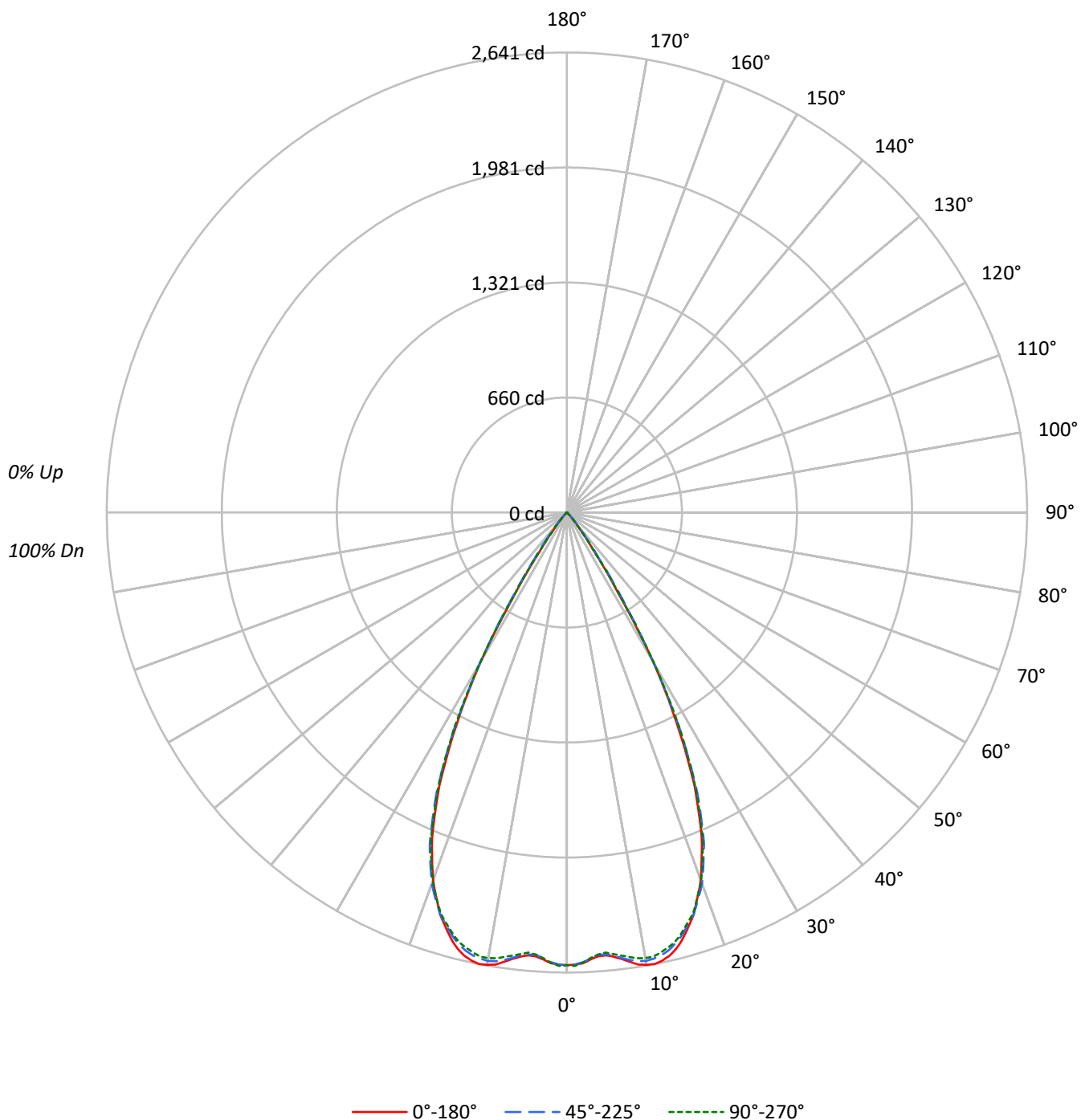
Lumens per Lamp: N/A
Luminaire Lumens: 1992.9 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	82	79	94	87	82	78	85	81	78		83	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		79	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	447589	447589	447589
5°	441174	440396	438304
10°	461122	457152	454232
15°	453929	449882	447974
20°	411600	415779	412718
25°	329145	336062	332889
30°	197394	197394	199800
35°	57039	67552	58953
40°	16344	22145	16344
45°	3702	8500	3702
50°	1634	2840	1206
55°	1351	1351	1351
60°	1550	1550	1550
65°	1223	1223	1223
70°	1511	1511	1511
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.4	12.4
10°-20°	702.4	35.2
20°-30°	773.8	38.8
30°-40°	236.7	11.9
40°-50°	23.4	1.2
50°-60°	4.3	0.2
60°-70°	3.4	0.2
70°-80°	1.9	0.1
80°-90°	0.6	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°	1722.6	86.4
0°-40°	1959.3	98.3
0°-60°	1987.0	99.7
0°-90°	1992.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2599	2599	2599	2599	2599	
5°	2552	2552	2547	2540	2535	247
15°	2546	2541	2523	2512	2512	706
25°	1732	1749	1768	1785	1752	763
35°	271	285	321	296	280	222
45°	15	23	35	23	15	18
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	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2598.9	2598.9	2598.9	2598.9	2598.9
1°	2595.9	2597.4	2595.9	2592.9	2603.5
2°	2589.8	2588.3	2583.8	2582.3	2586.8
3°	2570.1	2570.1	2564.1	2561.0	2562.6
4°	2555.0	2555.0	2545.9	2542.9	2544.4
5°	2551.9	2551.9	2547.4	2539.8	2535.3
6°	2564.1	2567.1	2556.5	2548.9	2548.9
7°	2582.3	2583.8	2576.2	2565.6	2562.6
8°	2605.0	2606.5	2594.4	2582.3	2576.2
9°	2627.7	2624.7	2608.0	2595.9	2591.3
10°	2636.8	2635.3	2614.1	2602.0	2597.4
11°	2641.4	2633.8	2609.5	2598.9	2597.4
12°	2630.7	2624.7	2598.9	2588.3	2583.8
13°	2612.6	2603.5	2582.3	2571.6	2565.6
14°	2583.8	2574.7	2555.0	2542.9	2544.4
15°	2545.9	2541.3	2523.2	2512.5	2512.5
17.5°	2420.1	2423.1	2418.6	2414.0	2411.0
20°	2245.8	2258.0	2268.6	2262.5	2251.9
22.5°	2023.1	2044.3	2056.4	2059.4	2039.7
25°	1732.1	1748.8	1768.5	1785.1	1751.8
27.5°	1369.9	1385.1	1403.3	1413.9	1409.3
30°	992.6	994.1	992.6	1012.3	1004.7
32.5°	551.6	597.1	604.6	618.3	569.8
35°	271.3	284.9	321.3	295.5	280.4
37.5°	130.3	139.4	174.3	142.4	136.4
40°	72.7	78.8	98.5	81.8	72.7
42.5°	34.9	45.5	53.0	47.0	34.9
45°	15.2	22.7	34.9	22.7	15.2
47.5°	6.1	9.1	21.2	9.1	6.1
50°	6.1	4.5	10.6	4.5	4.5
52.5°	4.5	4.5	6.1	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°	4.5	4.5	4.5	4.5	4.5
62.5°	3.0	4.5	4.5	4.5	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°	3.0	3.0	3.0	3.0	3.0
72.5°	1.5	3.0	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°	1.5	1.5	1.5	1.5	1.5
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)