

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: P1317318

Luminaire Tested: P3SQAS17R509830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317318
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: P3SQAS17R509830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

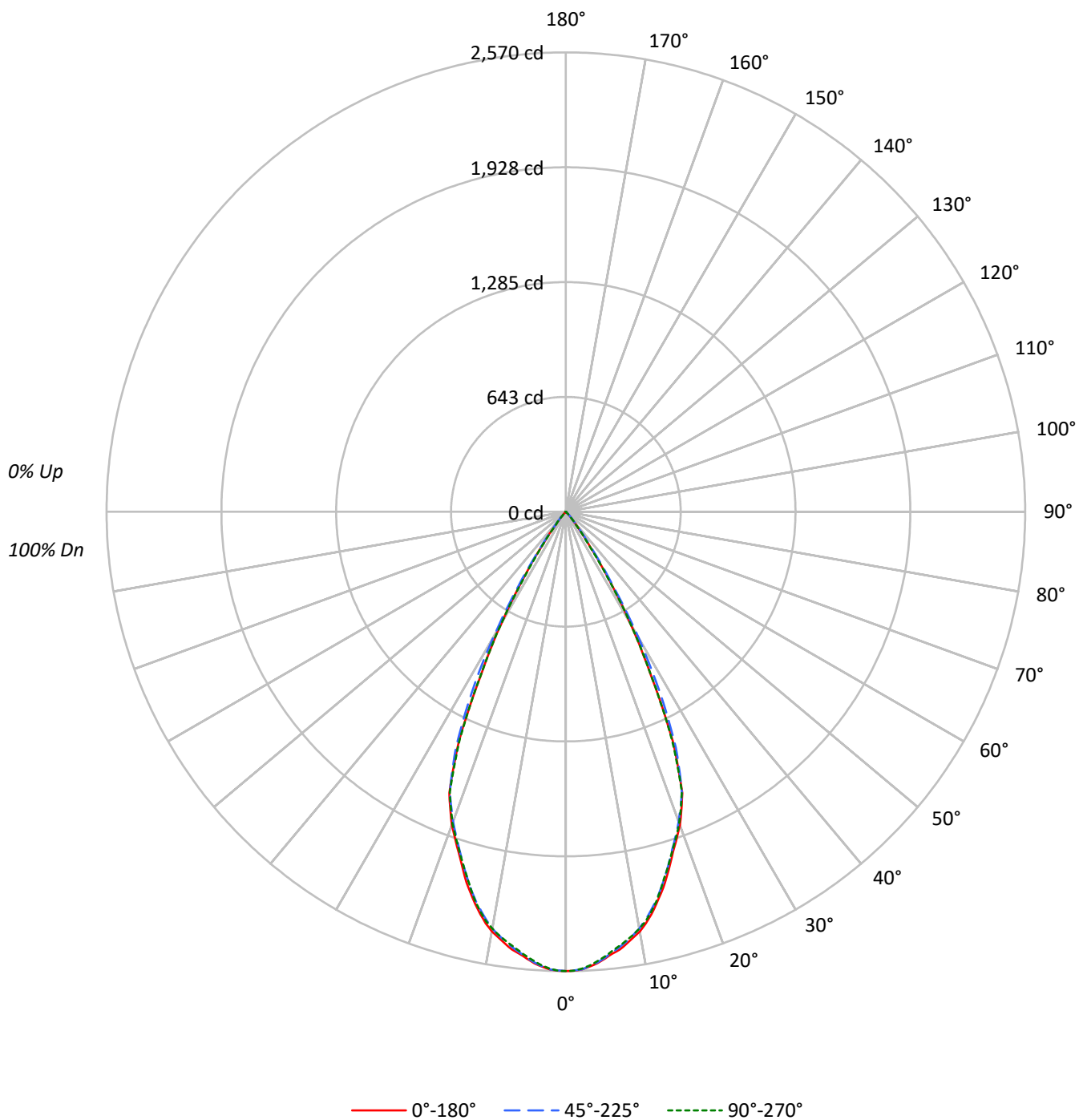
Lumens per Lamp: N/A
Luminaire Lumens: 1656.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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				0
RW	70	50	30	10	70	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		100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96		95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91		90
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86		85
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87	84	81		80
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83	80	77		76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73		72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69		68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66		65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63		62
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66	63	60		59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	442561	442561	442561
5°	433878	433066	431855
10°	416895	414027	414219
15°	382717	379151	378723
20°	341900	338235	339958
25°	268717	276546	266493
30°	143760	161061	144237
35°	46948	54874	44236
40°	11623	14546	11106
45°	1437	5163	1437
50°	938	1581	938
55°	1051	1051	1051
60°	827	827	827
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	14.2
10°-20°	594.3	35.9
20°-30°	625.0	37.7
30°-40°	180.1	10.9
40°-50°	14.6	0.9
50°-60°	3.1	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.3	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°	1454.3	87.8
0°-40°	1634.4	98.7
0°-60°	1652.2	99.8
0°-90°	1656.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1656.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2570	2570	2570	2570	2570	
5°	2510	2508	2505	2507	2498	236
15°	2146	2132	2126	2126	2124	598
25°	1414	1449	1455	1439	1402	613
35°	223	232	261	223	210	173
45°	6	12	21	12	6	11
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	2569.7	2569.7	2569.7	2569.7	2569.7
1°	2568.5	2570.8	2566.1	2574.4	2567.3
2°	2562.6	2563.8	2561.4	2567.3	2557.9
3°	2548.5	2550.8	2546.1	2550.8	2542.6
4°	2532.0	2532.0	2527.3	2530.9	2520.3
5°	2509.7	2508.5	2505.0	2507.4	2498.0
6°	2486.2	2485.0	2479.1	2479.1	2472.1
7°	2468.6	2460.3	2455.6	2454.5	2447.4
8°	2440.4	2438.0	2428.6	2428.6	2423.9
9°	2412.1	2409.8	2399.2	2401.6	2398.0
10°	2383.9	2375.7	2367.5	2368.6	2368.6
11°	2346.3	2339.3	2327.5	2332.2	2334.6
12°	2301.6	2293.4	2282.8	2292.2	2291.1
13°	2252.3	2245.2	2237.0	2244.0	2241.7
14°	2200.5	2190.0	2182.9	2187.6	2185.3
15°	2146.5	2132.4	2126.5	2126.5	2124.1
17.5°	1994.8	1986.6	1980.7	1977.2	1985.4
20°	1865.5	1858.5	1845.5	1849.1	1854.9
22.5°	1703.3	1702.1	1695.1	1689.2	1696.3
25°	1414.1	1449.4	1455.3	1438.8	1402.4
27.5°	1027.4	1109.7	1139.1	1100.3	1033.3
30°	722.9	761.7	809.9	733.5	725.3
32.5°	436.1	446.7	491.4	438.5	426.7
35°	223.3	231.6	261.0	223.3	210.4
37.5°	104.6	109.3	121.1	104.6	97.6
40°	51.7	57.6	64.7	54.1	49.4
42.5°	22.3	29.4	37.6	28.2	20.0
45°	5.9	11.8	21.2	11.8	5.9
47.5°	3.5	4.7	11.8	4.7	3.5
50°	3.5	3.5	5.9	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	2.4	3.5	2.4	3.5	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	0.0	1.2	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)