

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: P1312639

Luminaire Tested: P3SQAS17R509727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312639
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: P3SQAS17R509727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

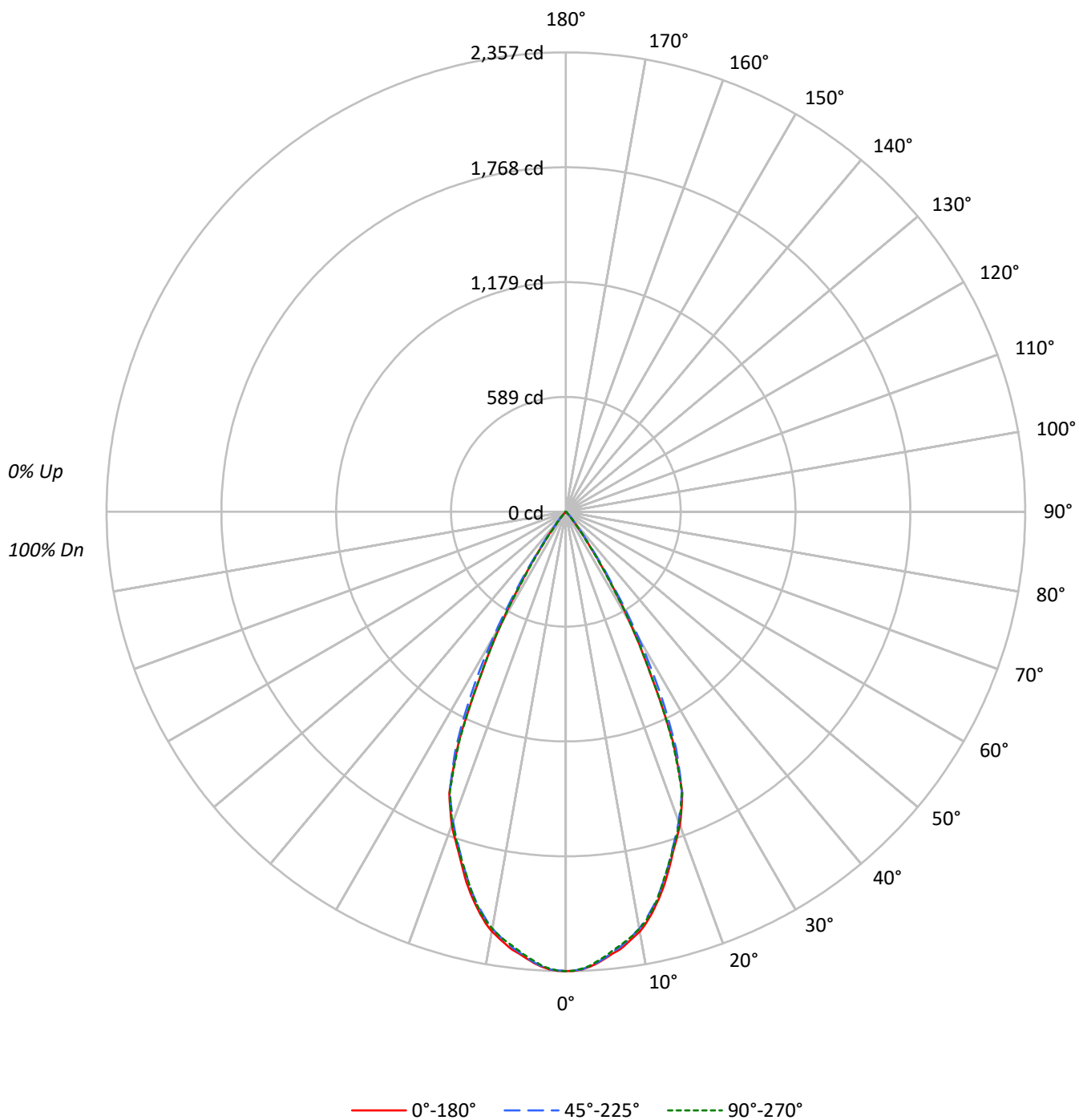
Lumens per Lamp: N/A
Luminaire Lumens: 1519.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	79	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	70	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°	405946	405946	405946
5°	397988	397245	396121
10°	382409	379768	379961
15°	351051	347788	347396
20°	313621	310267	311843
25°	246484	253667	244450
30°	131868	147737	132305
35°	43079	50333	40577
40°	10657	13332	10184
45°	1315	4725	1315
50°	857	1447	857
55°	961	961	961
60°	758	758	758
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4725 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.5	14.2
10°-20°	545.1	35.9
20°-30°	573.3	37.7
30°-40°	165.2	10.9
40°-50°	13.4	0.9
50°-60°	2.9	0.2
60°-70°	2.1	0.1
70°-80°	1.2	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°	1334.0	87.8
0°-40°	1499.2	98.7
0°-60°	1515.5	99.8
0°-90°	1519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2357	2357	2357	2357	2357	
5°	2302	2301	2298	2300	2291	216
15°	1969	1956	1951	1951	1948	548
25°	1297	1330	1335	1320	1286	562
35°	205	212	239	205	193	158
45°	5	11	19	11	5	10
55°	3	3	3	3	3	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°	2357.1	2357.1	2357.1	2357.1	2357.1
1°	2356.0	2358.1	2353.8	2361.4	2354.9
2°	2350.6	2351.7	2349.5	2354.9	2346.3
3°	2337.7	2339.8	2335.5	2339.8	2332.3
4°	2322.6	2322.6	2318.3	2321.5	2311.8
5°	2302.1	2301.0	2297.8	2299.9	2291.3
6°	2280.5	2279.4	2274.0	2274.0	2267.6
7°	2264.3	2256.8	2252.5	2251.4	2244.9
8°	2238.5	2236.3	2227.7	2227.7	2223.4
9°	2212.6	2210.4	2200.7	2202.9	2199.6
10°	2186.7	2179.2	2171.6	2172.7	2172.7
11°	2152.2	2145.7	2135.0	2139.3	2141.4
12°	2111.2	2103.7	2094.0	2102.6	2101.5
13°	2065.9	2059.5	2051.9	2058.4	2056.2
14°	2018.5	2008.8	2002.3	2006.6	2004.5
15°	1968.9	1956.0	1950.6	1950.6	1948.4
17.5°	1829.8	1822.3	1816.9	1813.6	1821.2
20°	1711.2	1704.7	1692.9	1696.1	1701.5
22.5°	1562.4	1561.3	1554.8	1549.5	1555.9
25°	1297.1	1329.5	1334.9	1319.8	1286.4
27.5°	942.4	1017.9	1044.8	1009.2	947.8
30°	663.1	698.7	742.9	672.8	665.3
32.5°	400.0	409.7	450.7	402.2	391.4
35°	204.9	212.4	239.4	204.9	193.0
37.5°	96.0	100.3	111.1	96.0	89.5
40°	47.4	52.8	59.3	49.6	45.3
42.5°	20.5	27.0	34.5	25.9	18.3
45°	5.4	10.8	19.4	10.8	5.4
47.5°	3.2	4.3	10.8	4.3	3.2
50°	3.2	3.2	5.4	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.2	3.2	2.2	3.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	0.0	1.1	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)