

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: P1313620

Luminaire Tested: P3SQAS17R559730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313620
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: P3SQAS17R559730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

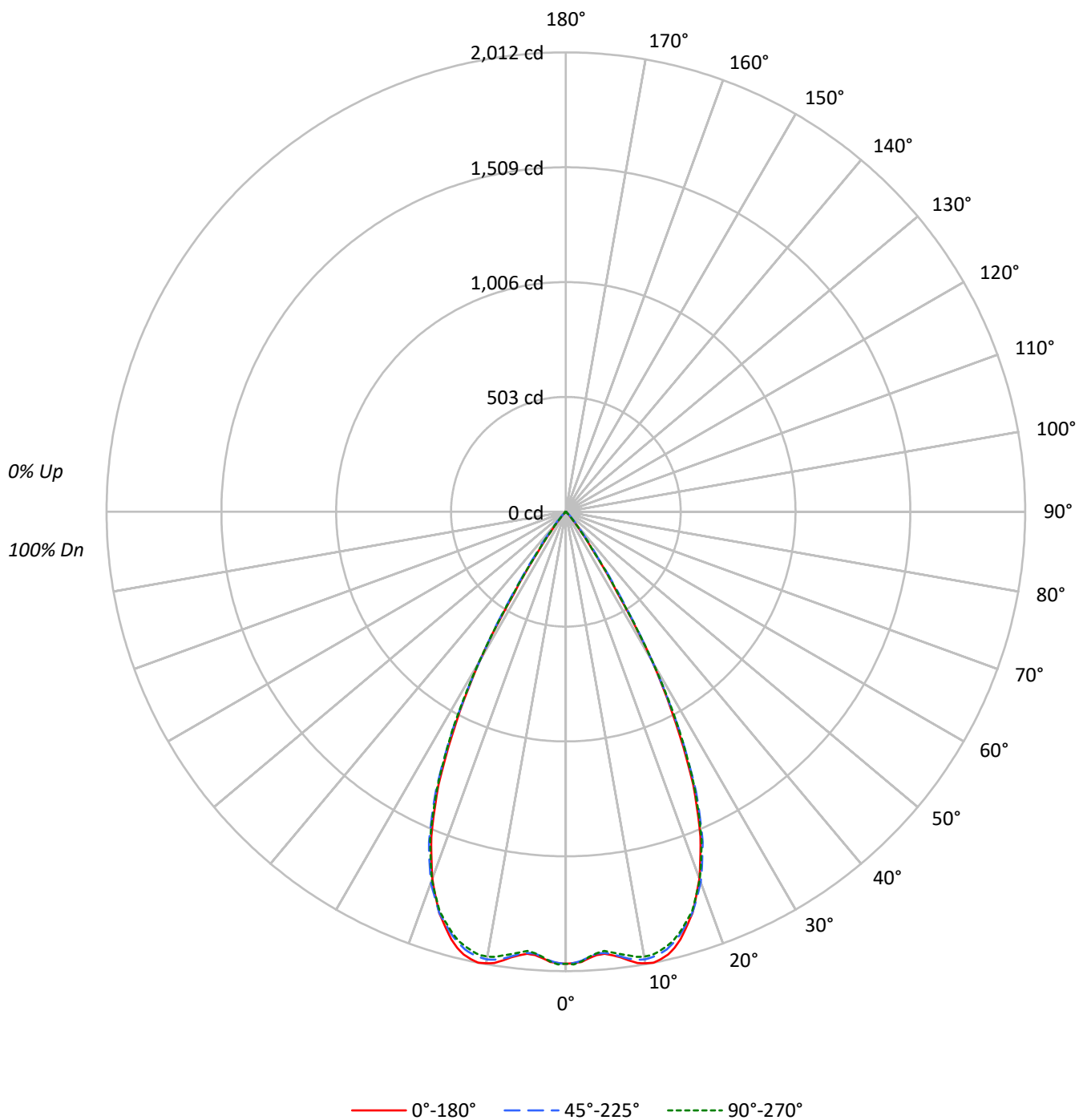
Lumens per Lamp: N/A
Luminaire Lumens: 1518.1 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	340915	340915	340915
5°	336028	335440	333832
10°	351228	348202	345982
15°	345738	342653	341209
20°	313511	316682	314354
25°	250702	255966	253553
30°	150342	150342	152192
35°	43437	51447	44887
40°	12455	16862	12455
45°	2801	6454	2801
50°	1232	2170	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	937	937	937
70°	1158	1158	1158
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	12.4
10°-20°	535.0	35.2
20°-30°	589.4	38.8
30°-40°	180.3	11.9
40°-50°	17.8	1.2
50°-60°	3.3	0.2
60°-70°	2.6	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1312.0	86.4
0°-40°	1492.3	98.3
0°-60°	1513.5	99.7
0°-90°	1518.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1518.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1980	1980	1980	1980	1980	
5°	1944	1944	1940	1934	1931	188
15°	1939	1936	1922	1914	1914	537
25°	1319	1332	1347	1360	1334	581
35°	207	217	245	225	214	169
45°	12	17	26	17	12	14
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°	1979.5	1979.5	1979.5	1979.5	1979.5
1°	1977.2	1978.4	1977.2	1974.9	1983.0
2°	1972.6	1971.4	1968.0	1966.8	1970.3
3°	1957.6	1957.6	1953.0	1950.7	1951.8
4°	1946.0	1946.0	1939.1	1936.8	1938.0
5°	1943.7	1943.7	1940.3	1934.5	1931.0
6°	1953.0	1955.3	1947.2	1941.4	1941.4
7°	1966.8	1968.0	1962.2	1954.1	1951.8
8°	1984.1	1985.3	1976.0	1966.8	1962.2
9°	2001.4	1999.1	1986.4	1977.2	1973.7
10°	2008.4	2007.2	1991.1	1981.8	1978.4
11°	2011.8	2006.1	1987.6	1979.5	1978.4
12°	2003.7	1999.1	1979.5	1971.4	1968.0
13°	1989.9	1983.0	1966.8	1958.7	1954.1
14°	1968.0	1961.0	1946.0	1936.8	1938.0
15°	1939.1	1935.6	1921.8	1913.7	1913.7
17.5°	1843.3	1845.6	1842.2	1838.7	1836.4
20°	1710.6	1719.8	1727.9	1723.3	1715.2
22.5°	1540.9	1557.1	1566.3	1568.6	1553.6
25°	1319.3	1332.0	1347.0	1359.7	1334.3
27.5°	1043.4	1055.0	1068.8	1076.9	1073.4
30°	756.0	757.2	756.0	771.0	765.3
32.5°	420.1	454.8	460.5	470.9	434.0
35°	206.6	217.0	244.7	225.1	213.5
37.5°	99.3	106.2	132.7	108.5	103.9
40°	55.4	60.0	75.0	62.3	55.4
42.5°	26.5	34.6	40.4	35.8	26.5
45°	11.5	17.3	26.5	17.3	11.5
47.5°	4.6	6.9	16.2	6.9	4.6
50°	4.6	3.5	8.1	3.5	3.5
52.5°	3.5	3.5	4.6	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°	3.5	3.5	3.5	3.5	3.5
62.5°	2.3	3.5	3.5	3.5	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.2	2.3	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°	1.2	1.2	1.2	1.2	1.2
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)