

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: P1311709

Luminaire Tested: P3SQAS20R709050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

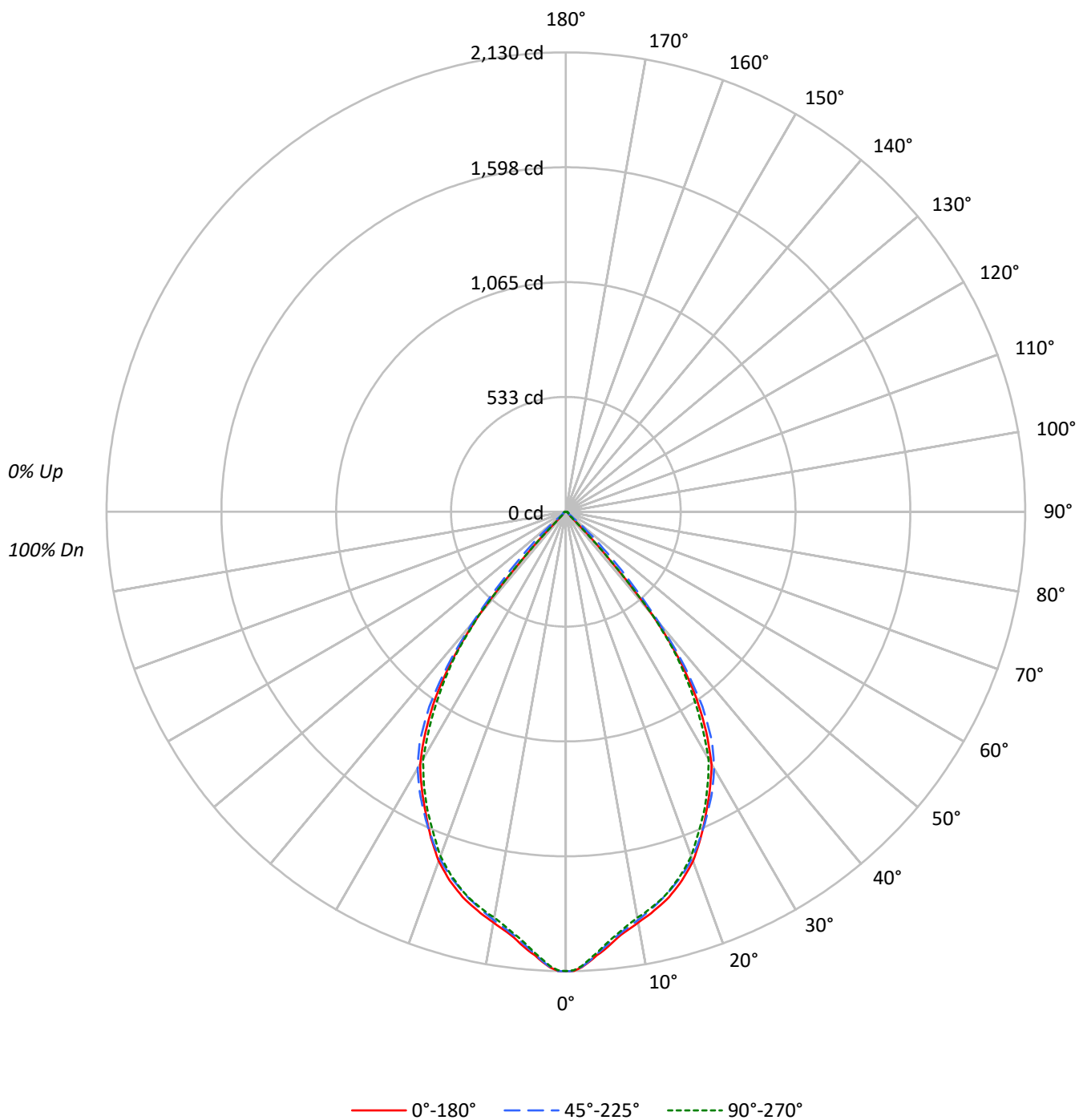
Lumens per Lamp: N/A
Luminaire Lumens: 2271.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76	72	69	67
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	366817	366817	366817
5°	352572	350671	349391
10°	338252	336328	334055
15°	329726	326107	325786
20°	315930	313566	311532
25°	292508	294598	288993
30°	268667	273440	263159
35°	221577	232047	213041
40°	141075	151866	141075
45°	9889	65639	10790
50°	4448	13343	4448
55°	4984	4984	4984
60°	5098	5098	5098
65°	4523	5257	4523
70°	4633	5589	4633
75°	4924	4924	4924
80°	5455	5455	5455
85°	3557	7311	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 65639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	8.4
10°-20°	514.6	22.7
20°-30°	707.3	31.1
30°-40°	647.8	28.5
40°-50°	171.9	7.6
50°-60°	15.4	0.7
60°-70°	12.5	0.6
70°-80°	8.3	0.4
80°-90°	3.1	0.1
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°	1411.9	62.2
0°-40°	2059.7	90.7
0°-60°	2247.0	98.9
0°-90°	2271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2130	2130	2130	2130	2130	
5°	2039	2030	2028	2025	2021	191
15°	1849	1833	1829	1829	1827	519
25°	1539	1545	1550	1532	1521	708
35°	1054	1070	1104	1054	1013	639
45°	41	138	270	140	44	122
55°	17	17	17	17	17	14
65°	11	13	13	13	11	12
75°	7	7	7	7	7	8
85°	2	4	4	4	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2129.9	2129.9	2129.9	2129.9	2129.9
1°	2129.9	2126.2	2129.9	2129.9	2126.2
2°	2113.3	2109.6	2111.4	2109.6	2107.7
3°	2089.3	2083.7	2085.6	2081.9	2078.2
4°	2061.6	2056.1	2056.1	2054.2	2050.5
5°	2039.4	2030.2	2028.4	2024.7	2021.0
6°	2013.6	2004.4	2002.5	1997.0	1993.3
7°	1987.8	1980.4	1978.5	1971.2	1971.2
8°	1967.5	1958.2	1958.2	1949.0	1949.0
9°	1950.8	1939.8	1939.8	1932.4	1928.7
10°	1934.2	1923.2	1923.2	1913.9	1910.2
11°	1917.6	1908.4	1904.7	1899.2	1897.3
12°	1902.9	1889.9	1886.3	1884.4	1880.7
13°	1884.4	1871.5	1867.8	1865.9	1864.1
14°	1867.8	1851.2	1849.3	1845.6	1847.5
15°	1849.3	1832.7	1829.0	1829.0	1827.2
17.5°	1792.1	1781.0	1775.5	1771.8	1768.1
20°	1723.8	1714.6	1710.9	1703.5	1699.8
22.5°	1635.2	1633.4	1631.6	1622.3	1607.6
25°	1539.3	1544.8	1550.3	1531.9	1520.8
27.5°	1447.0	1461.8	1467.3	1448.8	1424.8
30°	1351.0	1363.9	1375.0	1349.2	1323.3
32.5°	1212.6	1244.0	1260.6	1231.0	1172.0
35°	1053.9	1070.5	1103.7	1053.9	1013.3
37.5°	869.3	878.5	904.4	871.1	843.5
40°	627.5	655.2	675.5	655.2	627.5
42.5°	282.4	395.0	446.6	417.1	295.3
45°	40.6	138.4	269.5	140.3	44.3
47.5°	16.6	22.1	140.3	20.3	16.6
50°	16.6	16.6	49.8	16.6	16.6
52.5°	16.6	16.6	18.5	16.6	16.6
55°	16.6	16.6	16.6	16.6	16.6
57.5°	14.8	14.8	16.6	14.8	14.8
60°	14.8	14.8	14.8	14.8	14.8
62.5°	12.9	14.8	14.8	14.8	12.9
65°	11.1	12.9	12.9	12.9	11.1
67.5°	11.1	11.1	11.1	11.1	11.1
70°	9.2	11.1	11.1	11.1	9.2
72.5°	9.2	9.2	9.2	9.2	9.2
75°	7.4	7.4	7.4	7.4	7.4
77.5°	5.5	7.4	7.4	7.4	5.5
80°	5.5	5.5	5.5	5.5	5.5
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	3.7	3.7	3.7	1.8
87.5°	1.8	1.8	1.8	1.8	1.8



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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)