

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: P1315743

Luminaire Tested: P3SQAS20R709740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315743
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: P3SQAS20R709740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

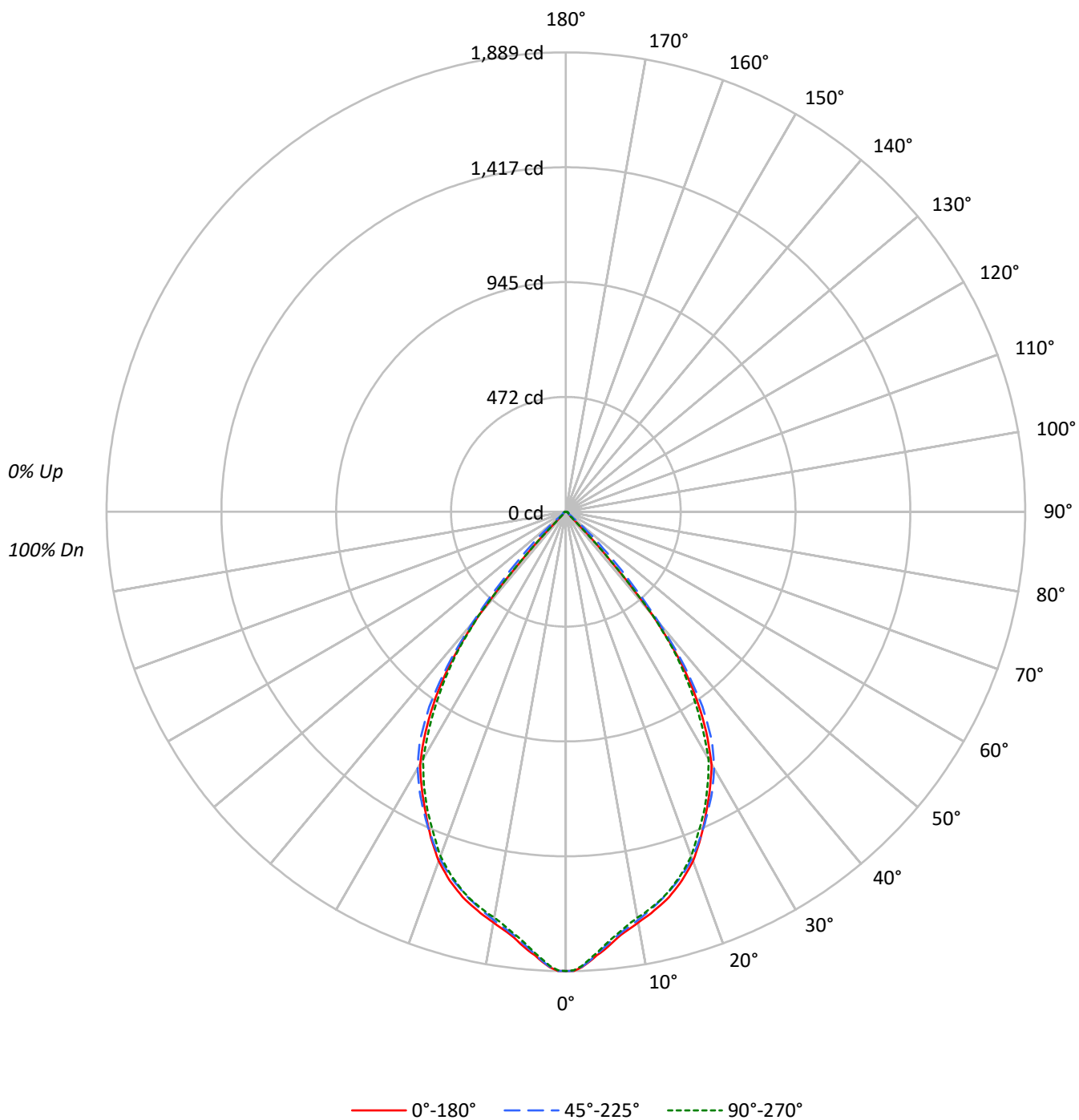
Lumens per Lamp: N/A
Luminaire Lumens: 2014.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	325294	325294	325294
5°	312672	310977	309854
10°	299971	298257	296263
15°	292427	289217	288914
20°	280192	278084	276288
25°	259405	261268	256289
30°	238261	242497	233389
35°	196495	205788	188926
40°	125113	134690	125113
45°	8768	58211	9572
50°	3939	11843	3939
55°	4414	4414	4414
60°	4512	4512	4512
65°	3994	4686	3994
70°	4129	4935	4129
75°	4325	4325	4325
80°	4860	4860	4860
85°	3162	6521	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 58211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	8.4
10°-20°	456.3	22.7
20°-30°	627.2	31.1
30°-40°	574.5	28.5
40°-50°	152.5	7.6
50°-60°	13.6	0.7
60°-70°	11.1	0.6
70°-80°	7.4	0.4
80°-90°	2.8	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°	1252.1	62.2
0°-40°	1826.6	90.7
0°-60°	1992.7	98.9
0°-90°	2014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1889	1889	1889	1889	1889	
5°	1809	1800	1799	1796	1792	169
15°	1640	1625	1622	1622	1620	460
25°	1365	1370	1375	1358	1349	628
35°	935	949	979	935	899	567
45°	36	123	239	124	39	108
55°	15	15	15	15	15	13
65°	10	12	12	12	10	10
75°	6	6	6	6	6	7
85°	2	3	3	3	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1888.8	1888.8	1888.8	1888.8	1888.8
1°	1888.8	1885.6	1888.8	1888.8	1885.6
2°	1874.1	1870.8	1872.5	1870.8	1869.2
3°	1852.8	1847.9	1849.6	1846.3	1843.0
4°	1828.3	1823.4	1823.4	1821.7	1818.5
5°	1808.6	1800.5	1798.8	1795.6	1792.3
6°	1785.7	1777.5	1775.9	1771.0	1767.7
7°	1762.8	1756.3	1754.6	1748.1	1748.1
8°	1744.8	1736.6	1736.6	1728.4	1728.4
9°	1730.1	1720.3	1720.3	1713.7	1710.4
10°	1715.3	1705.5	1705.5	1697.3	1694.1
11°	1700.6	1692.4	1689.2	1684.2	1682.6
12°	1687.5	1676.1	1672.8	1671.2	1667.9
13°	1671.2	1659.7	1656.4	1654.8	1653.2
14°	1656.4	1641.7	1640.1	1636.8	1638.4
15°	1640.1	1625.3	1622.1	1622.1	1620.4
17.5°	1589.3	1579.5	1574.6	1571.3	1568.0
20°	1528.8	1520.6	1517.3	1510.8	1507.5
22.5°	1450.2	1448.6	1446.9	1438.7	1425.6
25°	1365.1	1370.0	1374.9	1358.5	1348.7
27.5°	1283.2	1296.3	1301.2	1284.9	1263.6
30°	1198.1	1209.6	1219.4	1196.5	1173.6
32.5°	1075.4	1103.2	1117.9	1091.7	1039.4
35°	934.6	949.3	978.8	934.6	898.6
37.5°	770.9	779.1	802.0	772.6	748.0
40°	556.5	581.1	599.1	581.1	556.5
42.5°	250.4	350.3	396.1	369.9	261.9
45°	36.0	122.8	239.0	124.4	39.3
47.5°	14.7	19.6	124.4	18.0	14.7
50°	14.7	14.7	44.2	14.7	14.7
52.5°	14.7	14.7	16.4	14.7	14.7
55°	14.7	14.7	14.7	14.7	14.7
57.5°	13.1	13.1	14.7	13.1	13.1
60°	13.1	13.1	13.1	13.1	13.1
62.5°	11.5	13.1	13.1	13.1	11.5
65°	9.8	11.5	11.5	11.5	9.8
67.5°	9.8	9.8	9.8	9.8	9.8
70°	8.2	9.8	9.8	9.8	8.2
72.5°	8.2	8.2	8.2	8.2	8.2
75°	6.5	6.5	6.5	6.5	6.5
77.5°	4.9	6.5	6.5	6.5	4.9
80°	4.9	4.9	4.9	4.9	4.9
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	3.3	3.3	3.3	1.6
87.5°	1.6	1.6	1.6	1.6	1.6



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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)