

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: P1318371

Luminaire Tested: P3SQAS20R709835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318371
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: P3SQAS20R709835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

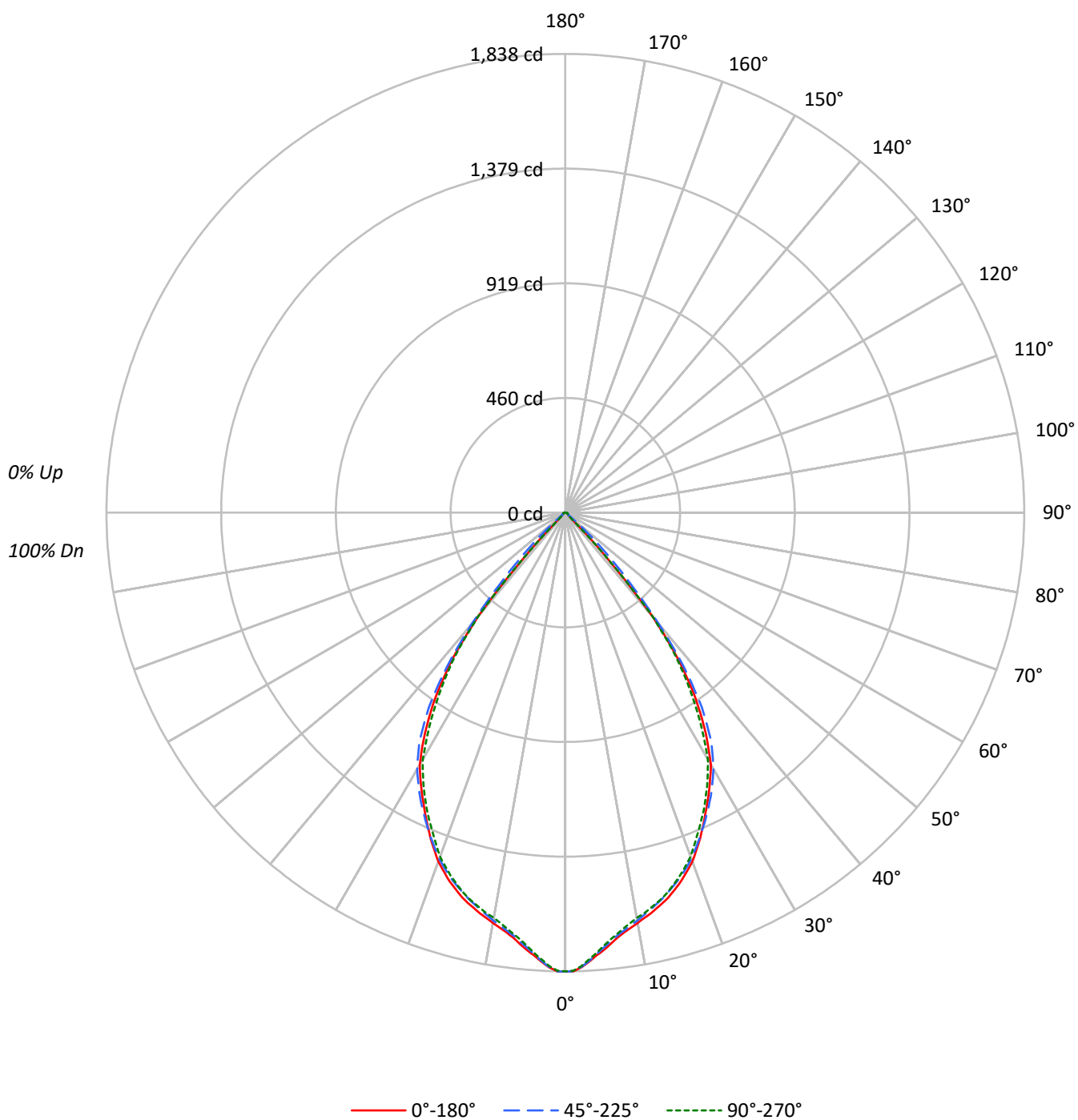
Lumens per Lamp: N/A
Luminaire Lumens: 1960.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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
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	75	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°	316580	316580	316580
5°	304304	302645	301538
10°	291944	290265	288306
15°	284581	281461	281176
20°	272677	270625	268883
25°	252450	254256	249410
30°	231877	235994	227124
35°	191218	200279	183859
40°	121763	131070	121763
45°	8525	56652	9304
50°	3831	11521	3831
55°	4294	4294	4294
60°	4374	4374	4374
65°	3912	4564	3912
70°	4028	4834	4028
75°	4259	4259	4259
80°	4761	4761	4761
85°	3162	6323	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 56652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	8.4
10°-20°	444.1	22.7
20°-30°	610.4	31.1
30°-40°	559.1	28.5
40°-50°	148.4	7.6
50°-60°	13.2	0.7
60°-70°	10.8	0.6
70°-80°	7.2	0.4
80°-90°	2.7	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°	1218.6	62.2
0°-40°	1777.7	90.7
0°-60°	1939.3	98.9
0°-90°	1960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1838	1838	1838	1838	1838	
5°	1760	1752	1751	1747	1744	165
15°	1596	1582	1579	1579	1577	448
25°	1328	1333	1338	1322	1312	611
35°	910	924	953	910	874	552
45°	35	120	233	121	38	105
55°	14	14	14	14	14	12
65°	10	11	11	11	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°	1838.2	1838.2	1838.2	1838.2	1838.2
1°	1838.2	1835.0	1838.2	1838.2	1835.0
2°	1823.9	1820.7	1822.3	1820.7	1819.1
3°	1803.2	1798.4	1800.0	1796.8	1793.6
4°	1779.3	1774.5	1774.5	1772.9	1769.7
5°	1760.2	1752.2	1750.6	1747.4	1744.2
6°	1737.9	1729.9	1728.3	1723.5	1720.3
7°	1715.5	1709.2	1707.6	1701.2	1701.2
8°	1698.0	1690.1	1690.1	1682.1	1682.1
9°	1683.7	1674.1	1674.1	1667.8	1664.6
10°	1669.4	1659.8	1659.8	1651.8	1648.6
11°	1655.0	1647.1	1643.9	1639.1	1637.5
12°	1642.3	1631.1	1627.9	1626.3	1623.2
13°	1626.3	1615.2	1612.0	1610.4	1608.8
14°	1612.0	1597.7	1596.1	1592.9	1594.5
15°	1596.1	1581.7	1578.6	1578.6	1577.0
17.5°	1546.7	1537.1	1532.4	1529.2	1526.0
20°	1487.8	1479.8	1476.6	1470.2	1467.1
22.5°	1411.3	1409.7	1408.1	1400.2	1387.4
25°	1328.5	1333.3	1338.0	1322.1	1312.5
27.5°	1248.8	1261.6	1266.4	1250.4	1229.7
30°	1166.0	1177.2	1186.7	1164.4	1142.1
32.5°	1046.5	1073.6	1087.9	1062.5	1011.5
35°	909.5	923.9	952.6	909.5	874.5
37.5°	750.3	758.2	780.5	751.8	728.0
40°	541.6	565.5	583.0	565.5	541.6
42.5°	243.7	340.9	385.5	360.0	254.9
45°	35.0	119.5	232.6	121.1	38.2
47.5°	14.3	19.1	121.1	17.5	14.3
50°	14.3	14.3	43.0	14.3	14.3
52.5°	14.3	14.3	15.9	14.3	14.3
55°	14.3	14.3	14.3	14.3	14.3
57.5°	12.7	12.7	14.3	12.7	12.7
60°	12.7	12.7	12.7	12.7	12.7
62.5°	11.2	12.7	12.7	12.7	11.2
65°	9.6	11.2	11.2	11.2	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	9.6	9.6	9.6	8.0
72.5°	8.0	8.0	8.0	8.0	8.0
75°	6.4	6.4	6.4	6.4	6.4
77.5°	4.8	6.4	6.4	6.4	4.8
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	3.2	3.2	3.2	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)