

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: P1308394

Luminaire Tested: P3SQAS20R709030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

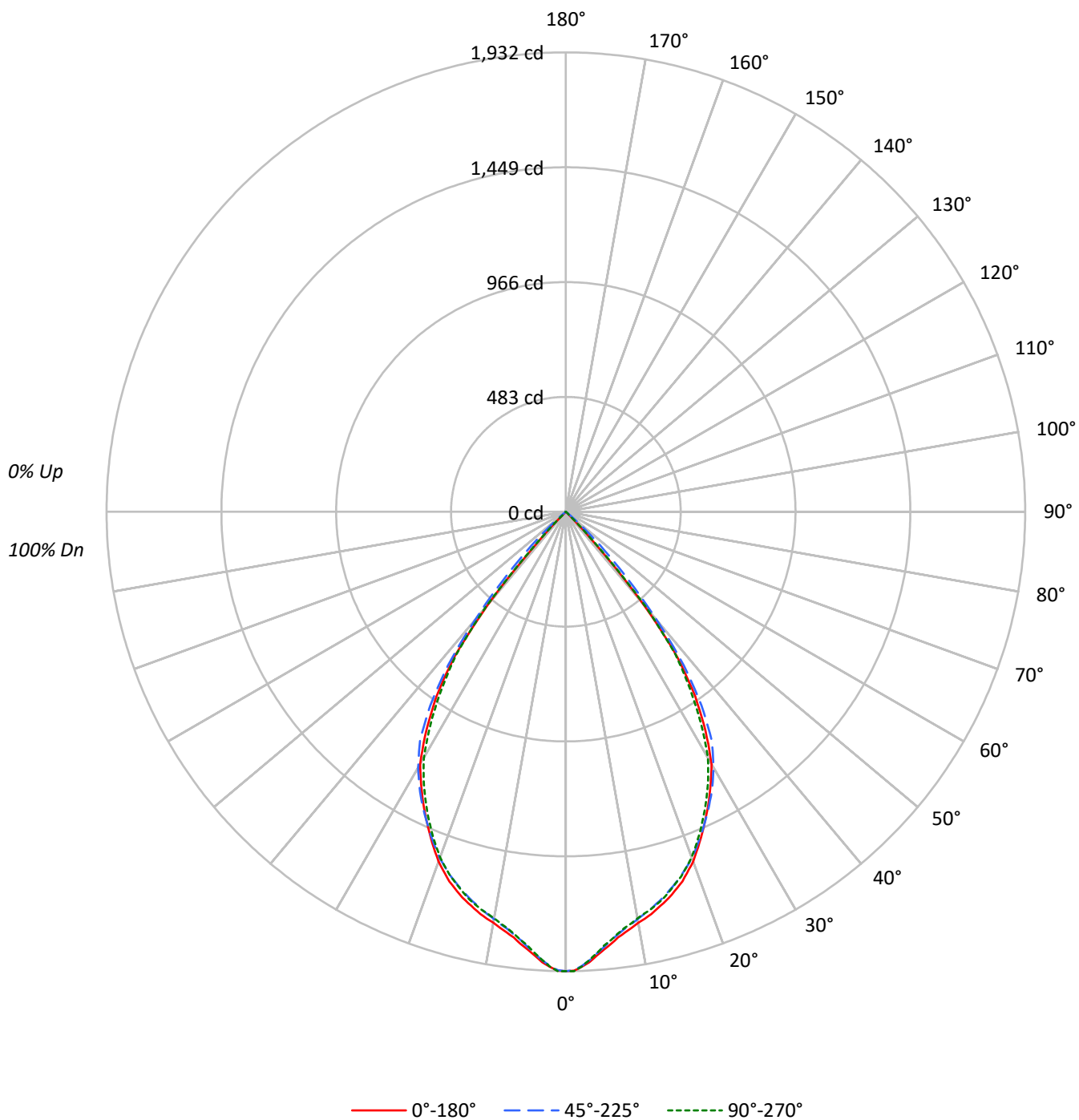
Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	332769	332769	332769
5°	319431	317668	316804
10°	306861	304203	303608
15°	299594	295386	295975
20°	286899	284114	283491
25°	266303	266949	262769
30°	243730	247090	237684
35°	199396	208984	191575
40°	114771	133768	117806
45°	1656	55580	5772
50°	0	5894	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 55580 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	8.6
10°-20°	467.1	23.4
20°-30°	641.7	32.1
30°-40°	581.9	29.1
40°-50°	135.2	6.8
50°-60°	0.7	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1281.2	64.1
0°-40°	1863.1	93.2
0°-60°	1999.0	100.0
0°-90°	1999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1848	1843	1838	1834	1832	173
15°	1680	1668	1657	1657	1660	471
25°	1401	1408	1405	1391	1383	643
35°	948	962	994	952	911	570
45°	7	76	228	98	24	82
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1932.2	1932.2	1932.2	1932.2	1932.2
1°	1930.5	1927.1	1928.8	1930.5	1932.2
2°	1915.3	1911.9	1911.9	1913.6	1913.6
3°	1896.7	1889.9	1889.9	1888.3	1888.3
4°	1871.3	1866.3	1862.9	1861.2	1861.2
5°	1847.7	1842.6	1837.5	1834.2	1832.5
6°	1827.4	1818.9	1812.2	1810.5	1812.2
7°	1803.7	1798.7	1791.9	1786.8	1788.5
8°	1786.8	1780.1	1771.6	1768.2	1768.2
9°	1771.6	1764.8	1756.4	1749.6	1753.0
10°	1754.7	1747.9	1739.5	1734.4	1736.1
11°	1742.9	1734.4	1724.3	1720.9	1722.6
12°	1729.3	1719.2	1709.1	1707.4	1710.8
13°	1712.4	1702.3	1692.2	1692.2	1695.5
14°	1697.2	1685.4	1675.3	1675.3	1680.3
15°	1680.3	1668.5	1656.7	1656.7	1660.0
17.5°	1629.6	1619.5	1607.6	1607.6	1609.3
20°	1565.4	1560.3	1550.2	1545.1	1546.8
22.5°	1484.2	1484.2	1479.2	1470.7	1467.3
25°	1401.4	1408.2	1404.8	1391.3	1382.8
27.5°	1315.2	1327.0	1328.7	1308.4	1293.2
30°	1225.6	1235.7	1242.5	1218.8	1195.2
32.5°	1093.7	1124.2	1141.1	1108.9	1059.9
35°	948.4	961.9	994.0	951.7	911.2
37.5°	770.9	787.8	814.8	781.0	757.3
40°	510.5	578.1	595.0	578.1	524.0
42.5°	184.3	324.6	390.5	331.3	216.4
45°	6.8	76.1	228.2	98.0	23.7
47.5°	0.0	1.7	103.1	3.4	0.0
50°	0.0	0.0	22.0	0.0	0.0
52.5°	0.0	0.0	1.7	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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)