

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: P1314771

Luminaire Tested: P3SQAS20R709735D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314771
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: P3SQAS20R709735D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

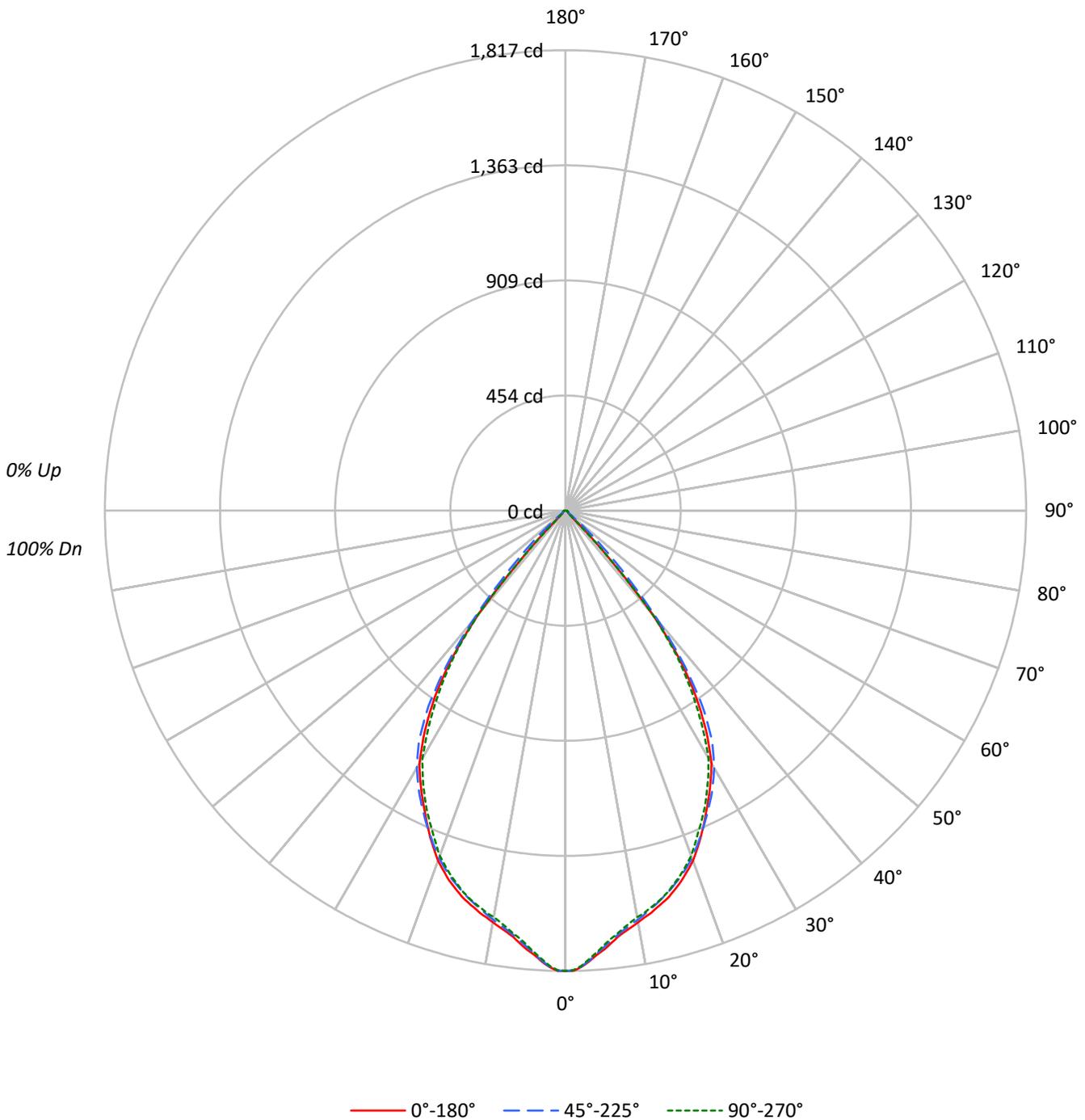
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 67.3 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 (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	312860	312860	312860
5°	300726	299101	298011
10°	288516	286855	284931
15°	281247	278145	277877
20°	269470	267454	265713
25°	249486	251272	246484
30°	229153	233230	224460
35°	188989	197925	181694
40°	120324	129542	120324
45°	8427	55970	9207
50°	3805	11387	3805
55°	4264	4264	4264
60°	4340	4340	4340
65°	3831	4483	3831
70°	3978	4733	3978
75°	4192	4192	4192
80°	4661	4661	4661
85°	3162	6126	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 55970 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	8.4
10°-20°	438.9	22.7
20°-30°	603.2	31.1
30°-40°	552.5	28.5
40°-50°	146.7	7.6
50°-60°	13.1	0.7
60°-70°	10.6	0.5
70°-80°	7.1	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°	1204.3	62.2
0°-40°	1756.8	90.7
0°-60°	1916.6	98.9
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1817	1817	1817	1817	1817	
5°	1740	1732	1730	1727	1724	163
15°	1577	1563	1560	1560	1558	443
25°	1313	1318	1322	1307	1297	604
35°	899	913	941	899	864	545
45°	35	118	230	120	38	104
55°	14	14	14	14	14	12
65°	9	11	11	11	9	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°	1816.6	1816.6	1816.6	1816.6	1816.6
1°	1816.6	1813.5	1816.6	1816.6	1813.5
2°	1802.5	1799.3	1800.9	1799.3	1797.7
3°	1782.0	1777.3	1778.9	1775.7	1772.6
4°	1758.4	1753.7	1753.7	1752.1	1748.9
5°	1739.5	1731.6	1730.1	1726.9	1723.8
6°	1717.5	1709.6	1708.0	1703.3	1700.1
7°	1695.4	1689.1	1687.5	1681.3	1681.3
8°	1678.1	1670.2	1670.2	1662.4	1662.4
9°	1663.9	1654.5	1654.5	1648.2	1645.0
10°	1649.8	1640.3	1640.3	1632.4	1629.3
11°	1635.6	1627.7	1624.6	1619.9	1618.3
12°	1623.0	1612.0	1608.8	1607.3	1604.1
13°	1607.3	1596.2	1593.1	1591.5	1589.9
14°	1593.1	1578.9	1577.4	1574.2	1575.8
15°	1577.4	1563.2	1560.0	1560.0	1558.5
17.5°	1528.6	1519.1	1514.4	1511.2	1508.1
20°	1470.3	1462.4	1459.3	1453.0	1449.8
22.5°	1394.7	1393.2	1391.6	1383.7	1371.1
25°	1312.9	1317.6	1322.3	1306.6	1297.1
27.5°	1234.2	1246.8	1251.5	1235.8	1215.3
30°	1152.3	1163.3	1172.8	1150.7	1128.7
32.5°	1034.3	1061.0	1075.2	1050.0	999.6
35°	898.9	913.0	941.4	898.9	864.2
37.5°	741.5	749.3	771.4	743.0	719.4
40°	535.2	558.8	576.2	558.8	535.2
42.5°	240.9	336.9	381.0	355.8	251.9
45°	34.6	118.1	229.8	119.6	37.8
47.5°	14.2	18.9	119.6	17.3	14.2
50°	14.2	14.2	42.5	14.2	14.2
52.5°	14.2	14.2	15.7	14.2	14.2
55°	14.2	14.2	14.2	14.2	14.2
57.5°	12.6	12.6	14.2	12.6	12.6
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.0	12.6	12.6	12.6	11.0
65°	9.4	11.0	11.0	11.0	9.4
67.5°	9.4	9.4	9.4	9.4	9.4
70°	7.9	9.4	9.4	9.4	7.9
72.5°	7.9	7.9	7.9	7.9	7.9
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.7	6.3	6.3	6.3	4.7
80°	4.7	4.7	4.7	4.7	4.7
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.6	3.1	3.1	3.1	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)