

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: P1317495

Luminaire Tested: P3SQAS20R709830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317495
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: P3SQAS20R709830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

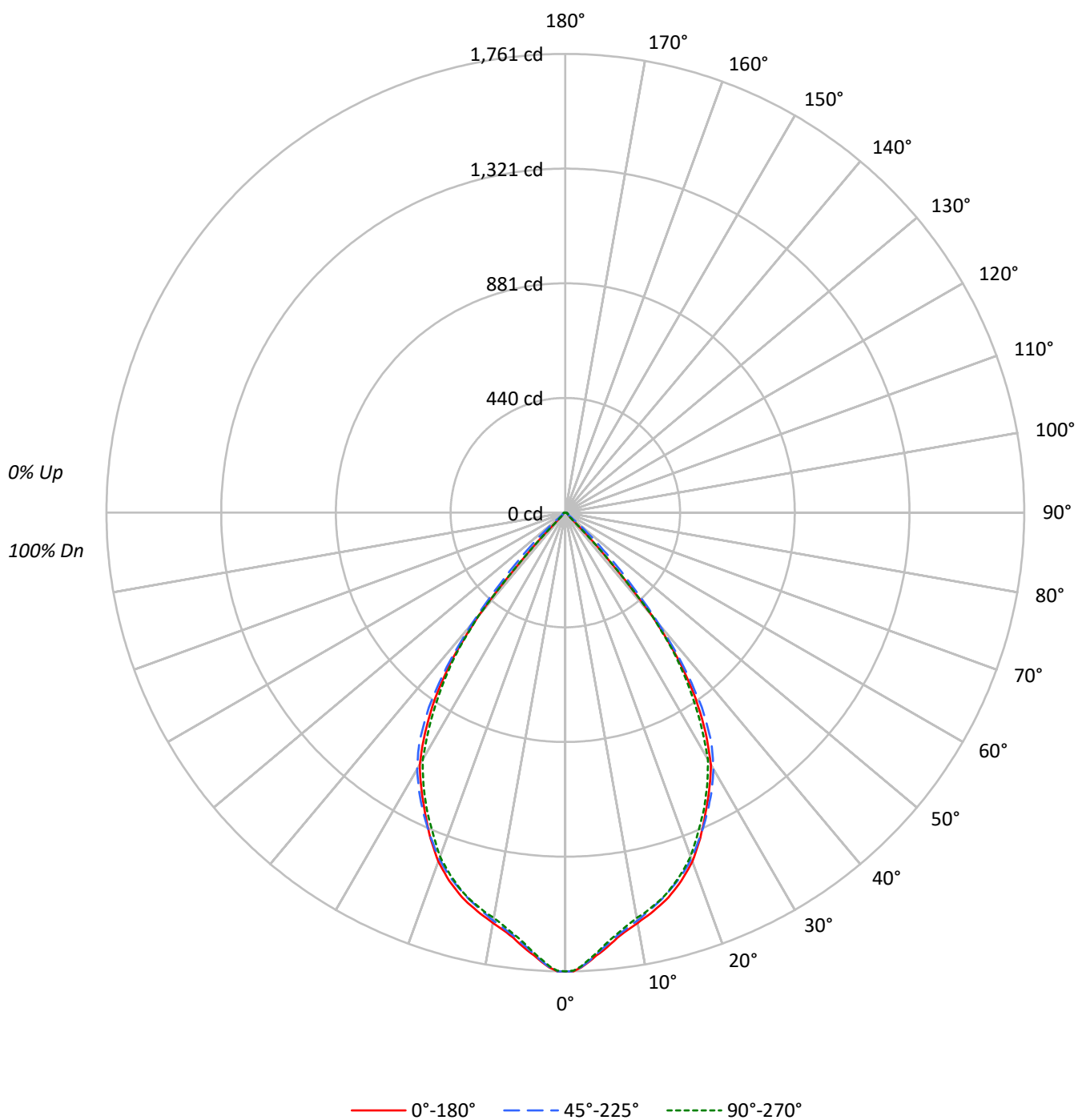
Lumens per Lamp: N/A
Luminaire Lumens: 1878.0 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317495

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317495

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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°	303336	303336	303336
5°	291563	289990	288918
10°	279720	278128	276257
15°	272671	269676	269408
20°	261259	259298	257630
25°	241885	243633	238978
30°	222173	226130	217619
35°	183229	191891	176164
40°	116659	125585	116659
45°	8184	54265	8914
50°	3671	11039	3671
55°	4114	4114	4114
60°	4202	4202	4202
65°	3749	4360	3749
70°	3827	4633	3827
75°	4059	4059	4059
80°	4562	4562	4562
85°	2964	6126	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 54265 cd/sqm

TEST NUMBER: P1317495

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	8.4
10°-20°	425.5	22.7
20°-30°	584.9	31.1
30°-40°	535.7	28.5
40°-50°	142.2	7.6
50°-60°	12.7	0.7
60°-70°	10.4	0.6
70°-80°	6.9	0.4
80°-90°	2.6	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°	1167.6	62.2
0°-40°	1703.3	90.7
0°-60°	1858.1	98.9
0°-90°	1878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1761	1761	1761	1761	1761	
5°	1686	1679	1677	1674	1671	158
15°	1529	1516	1512	1512	1511	429
25°	1273	1278	1282	1267	1258	585
35°	872	885	913	872	838	529
45°	34	114	223	116	37	101
55°	14	14	14	14	14	12
65°	9	11	11	11	9	10
75°	6	6	6	6	6	6
85°	2	3	3	3	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1317495

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1761.3	1761.3	1761.3	1761.3	1761.3
1°	1761.3	1758.2	1761.3	1761.3	1758.2
2°	1747.6	1744.5	1746.0	1744.5	1743.0
3°	1727.7	1723.1	1724.7	1721.6	1718.6
4°	1704.8	1700.2	1700.2	1698.7	1695.7
5°	1686.5	1678.9	1677.4	1674.3	1671.2
6°	1665.1	1657.5	1656.0	1651.4	1648.4
7°	1643.8	1637.7	1636.1	1630.0	1630.0
8°	1627.0	1619.4	1619.4	1611.7	1611.7
9°	1613.3	1604.1	1604.1	1598.0	1594.9
10°	1599.5	1590.4	1590.4	1582.7	1579.7
11°	1585.8	1578.1	1575.1	1570.5	1569.0
12°	1573.6	1562.9	1559.8	1558.3	1555.3
13°	1558.3	1547.6	1544.6	1543.0	1541.5
14°	1544.6	1530.8	1529.3	1526.3	1527.8
15°	1529.3	1515.6	1512.5	1512.5	1511.0
17.5°	1482.0	1472.8	1468.3	1465.2	1462.2
20°	1425.5	1417.9	1414.8	1408.7	1405.7
22.5°	1352.3	1350.7	1349.2	1341.6	1329.4
25°	1272.9	1277.5	1282.1	1266.8	1257.6
27.5°	1196.6	1208.8	1213.4	1198.1	1178.3
30°	1117.2	1127.9	1137.1	1115.7	1094.3
32.5°	1002.7	1028.7	1042.4	1018.0	969.2
35°	871.5	885.2	912.7	871.5	837.9
37.5°	718.9	726.5	747.9	720.4	697.5
40°	518.9	541.8	558.6	541.8	518.9
42.5°	233.5	326.6	369.4	344.9	244.2
45°	33.6	114.5	222.8	116.0	36.6
47.5°	13.7	18.3	116.0	16.8	13.7
50°	13.7	13.7	41.2	13.7	13.7
52.5°	13.7	13.7	15.3	13.7	13.7
55°	13.7	13.7	13.7	13.7	13.7
57.5°	12.2	12.2	13.7	12.2	12.2
60°	12.2	12.2	12.2	12.2	12.2
62.5°	10.7	12.2	12.2	12.2	10.7
65°	9.2	10.7	10.7	10.7	9.2
67.5°	9.2	9.2	9.2	9.2	9.2
70°	7.6	9.2	9.2	9.2	7.6
72.5°	7.6	7.6	7.6	7.6	7.6
75°	6.1	6.1	6.1	6.1	6.1
77.5°	4.6	6.1	6.1	6.1	4.6
80°	4.6	4.6	4.6	4.6	4.6
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	3.1	3.1	3.1	1.5
87.5°	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P1317495

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)