

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: P1311780

Luminaire Tested: P3SQAS24R309050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

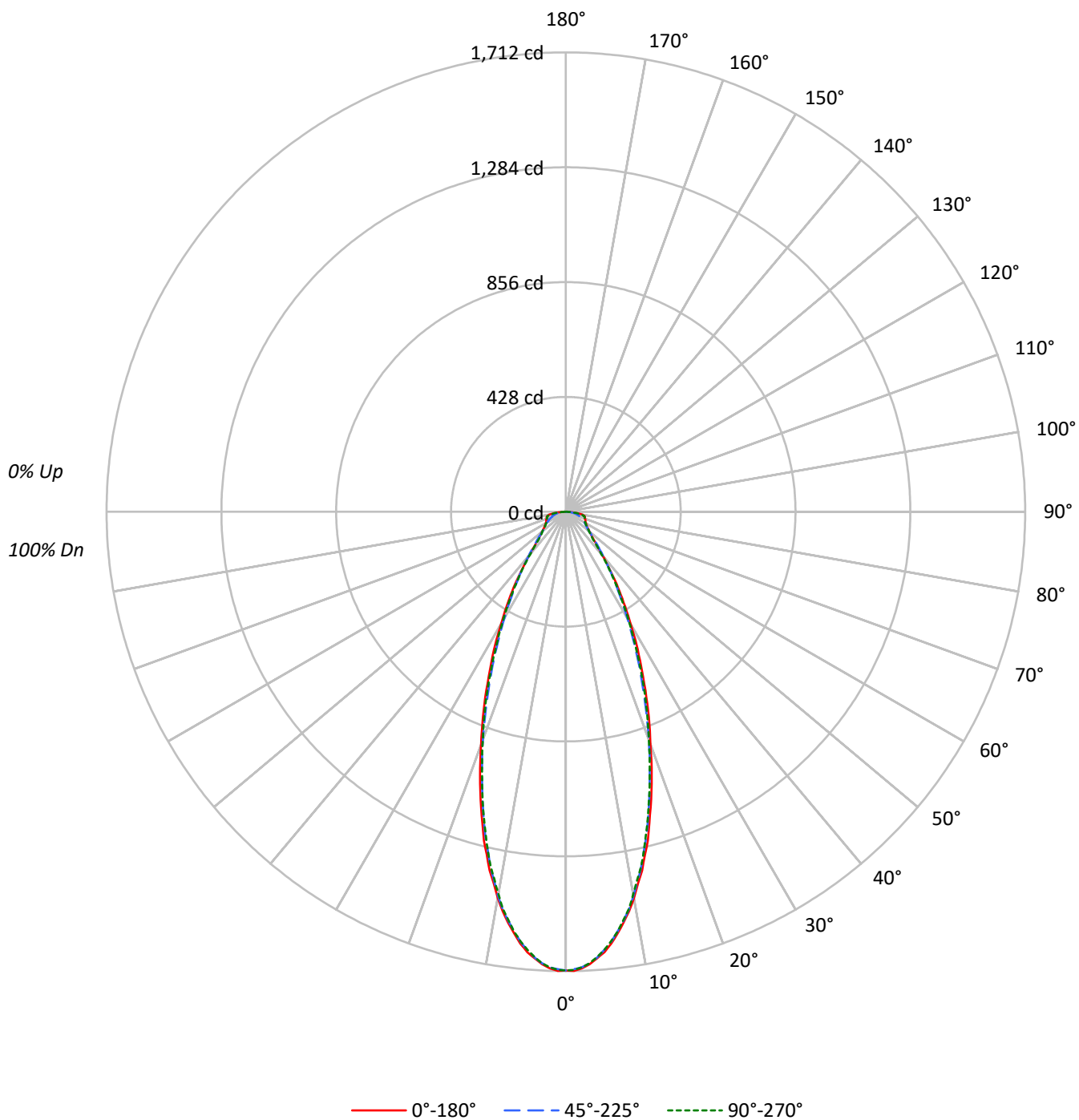
Lumens per Lamp: N/A
Luminaire Lumens: 1348.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311780

CATALOG NUMBER: P3SQAS24R309050D010 E3SQPHLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	294397	294397	294397
5°	284821	283386	283386
10°	255621	254170	253086
15°	214225	210927	210552
20°	169127	165736	165736
25°	129465	124353	126710
30°	96072	91140	93188
35°	69444	66416	66837
40°	47797	48741	46403
45°	35706	37216	34196
50°	30973	30410	30410
55°	29125	27894	28525
60°	29863	27728	29140
65°	32805	27752	31990
70°	38471	28047	37413
75°	49440	30210	48110
80°	61392	32729	57326
85°	49006	32605	44856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 61392 cd/sqm

TEST NUMBER: P1311780

CATALOG NUMBER: P3SQAS24R309050D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	11.2
10°-20°	327.8	24.3
20°-30°	305.4	22.7
30°-40°	202.6	15.0
40°-50°	118.0	8.8
50°-60°	85.9	6.4
60°-70°	72.6	5.4
70°-80°	60.1	4.5
80°-90°	25.0	1.9
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°	783.9	58.2
0°-40°	986.5	73.2
0°-60°	1190.3	88.3
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1709	1709	1709	1709	1709	
5°	1648	1645	1639	1639	1639	151
15°	1202	1189	1183	1181	1181	332
25°	681	669	654	656	667	314
35°	330	324	316	318	318	208
45°	147	149	153	144	140	118
55°	97	95	93	95	95	88
65°	80	72	68	72	78	80
75°	74	56	45	56	72	76
85°	25	29	16	27	23	29
90°	0	0	0	0	0	

TEST NUMBER: P1311780

CATALOG NUMBER: P3SQAS24R309050D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.4	1709.4	1709.4	1709.4	1709.4
1°	1711.5	1709.4	1705.3	1707.3	1707.3
2°	1703.2	1701.1	1699.1	1699.1	1699.1
3°	1688.8	1686.7	1684.6	1684.6	1684.6
4°	1668.1	1666.0	1666.0	1664.0	1664.0
5°	1647.5	1645.4	1639.2	1639.2	1639.2
6°	1618.6	1616.5	1612.4	1610.3	1610.3
7°	1583.5	1583.5	1577.3	1575.2	1577.3
8°	1546.3	1544.2	1540.1	1538.1	1538.1
9°	1507.1	1500.9	1500.9	1494.7	1498.8
10°	1461.7	1457.5	1453.4	1449.3	1447.2
11°	1410.1	1408.0	1401.8	1397.7	1395.6
12°	1366.7	1356.4	1352.2	1346.1	1350.2
13°	1311.0	1304.8	1294.4	1292.4	1294.4
14°	1263.5	1251.1	1242.8	1238.7	1236.6
15°	1201.5	1189.2	1183.0	1180.9	1180.9
17.5°	1063.2	1055.0	1038.4	1038.4	1038.4
20°	922.8	914.6	904.3	902.2	904.3
22.5°	801.0	786.6	770.1	772.1	784.5
25°	681.3	668.9	654.4	656.5	666.8
27.5°	580.1	563.6	549.2	553.3	559.5
30°	483.1	472.8	458.3	462.4	468.6
32.5°	400.5	394.3	377.8	381.9	388.1
35°	330.3	324.1	315.9	317.9	317.9
37.5°	264.3	264.3	262.2	260.1	258.1
40°	212.6	216.8	216.8	210.6	206.4
42.5°	173.4	177.5	181.7	173.4	167.2
45°	146.6	148.6	152.8	144.5	140.4
47.5°	128.0	128.0	132.1	125.9	123.9
50°	115.6	115.6	113.5	111.5	113.5
52.5°	105.3	103.2	101.2	103.2	103.2
55°	97.0	95.0	92.9	95.0	95.0
57.5°	90.8	88.8	86.7	86.7	88.8
60°	86.7	82.6	80.5	82.6	84.6
62.5°	82.6	76.4	74.3	76.4	80.5
65°	80.5	72.3	68.1	72.3	78.5
67.5°	78.5	68.1	61.9	68.1	76.4
70°	76.4	64.0	55.7	64.0	74.3
72.5°	74.3	59.9	51.6	59.9	74.3
75°	74.3	55.7	45.4	55.7	72.3
77.5°	70.2	51.6	39.2	51.6	68.1
80°	61.9	47.5	33.0	45.4	57.8
82.5°	45.4	41.3	24.8	39.2	43.4
85°	24.8	28.9	16.5	26.8	22.7
87.5°	4.1	6.2	4.1	12.4	8.3



TEST NUMBER: P1311780

CATALOG NUMBER: P3SQAS24R309050D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)