

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: P1310703

Luminaire Tested: P3SQAS24R309040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310703
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: P3SQAS24R309040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

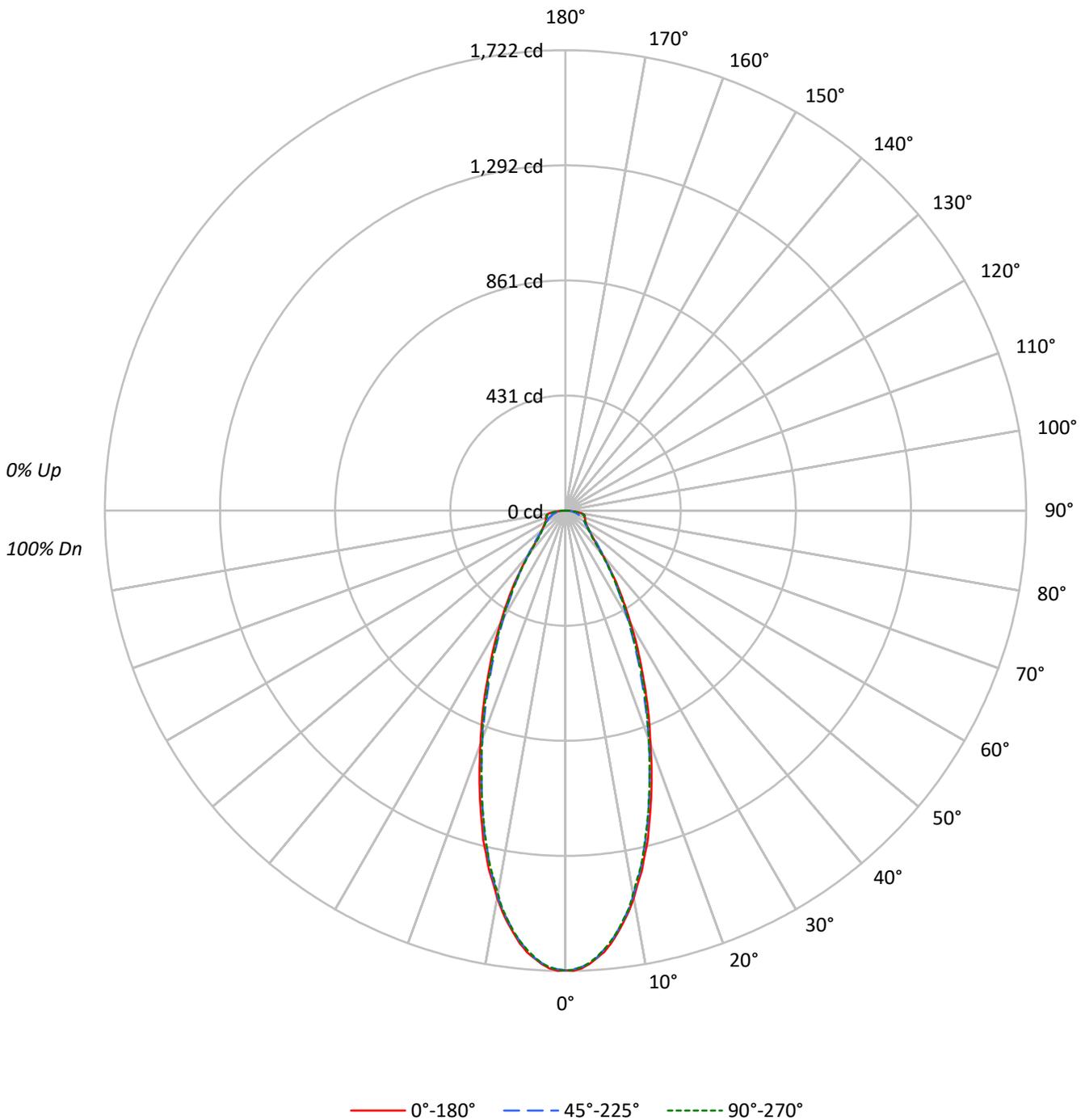
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1356.0 lumens
Efficiency: N/A
Efficacy: 47.1 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: P1310703
CATALOG NUMBER: P3SQAS24R309040D010 E3SQPHLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310703

CATALOG NUMBER: P3SQAS24R309040D010 E3SQPHLP1MW

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	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	296137	296137	296137
5°	286498	285063	285063
10°	257125	255674	254590
15°	215509	212175	211800
20°	170135	166707	166707
25°	130225	125095	127470
30°	96649	91677	93745
35°	69864	66795	67236
40°	48089	49033	46695
45°	35901	37435	34391
50°	31160	30598	30598
55°	29305	28074	28675
60°	30036	27900	29312
65°	33009	27915	32153
70°	38672	28249	37665
75°	49773	30410	48376
80°	61789	32927	57623
85°	49203	32802	45054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 61789 cd/sqm



TEST NUMBER: P1310703

CATALOG NUMBER: P3SQAS24R309040D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	11.2
10°-20°	329.7	24.3
20°-30°	307.2	22.7
30°-40°	203.8	15.0
40°-50°	118.7	8.8
50°-60°	86.4	6.4
60°-70°	73.0	5.4
70°-80°	60.5	4.5
80°-90°	25.1	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°	788.5	58.2
0°-40°	992.3	73.2
0°-60°	1197.4	88.3
0°-90°	1356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1657	1655	1649	1649	1649	152
15°	1209	1196	1190	1188	1188	334
25°	685	673	658	660	671	316
35°	332	326	318	320	320	209
45°	147	150	154	145	141	118
55°	98	96	94	96	96	89
65°	81	73	68	73	79	81
75°	75	56	46	56	73	77
85°	25	29	17	27	23	29
90°	0	0	0	0	0	



TEST NUMBER: P1310703

CATALOG NUMBER: P3SQAS24R309040D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1719.5	1719.5	1719.5	1719.5	1719.5
1°	1721.6	1719.5	1715.4	1717.5	1717.5
2°	1713.3	1711.2	1709.2	1709.2	1709.2
3°	1698.8	1696.7	1694.6	1694.6	1694.6
4°	1678.0	1675.9	1675.9	1673.9	1673.9
5°	1657.2	1655.2	1648.9	1648.9	1648.9
6°	1628.2	1626.1	1621.9	1619.9	1619.9
7°	1592.9	1592.9	1586.6	1584.6	1586.6
8°	1555.5	1553.4	1549.3	1547.2	1547.2
9°	1516.0	1509.8	1509.8	1503.6	1507.7
10°	1470.3	1466.2	1462.0	1457.9	1455.8
11°	1418.4	1416.3	1410.1	1406.0	1403.9
12°	1374.8	1364.4	1360.3	1354.0	1358.2
13°	1318.7	1312.5	1302.1	1300.0	1302.1
14°	1271.0	1258.5	1250.2	1246.1	1244.0
15°	1208.7	1196.2	1190.0	1187.9	1187.9
17.5°	1069.5	1061.2	1044.6	1044.6	1044.6
20°	928.3	920.0	909.6	907.5	909.6
22.5°	805.8	791.2	774.6	776.7	789.2
25°	685.3	672.9	658.3	660.4	670.8
27.5°	583.6	567.0	552.4	556.6	562.8
30°	486.0	475.6	461.0	465.2	471.4
32.5°	402.9	396.7	380.0	384.2	390.4
35°	332.3	326.0	317.7	319.8	319.8
37.5°	265.8	265.8	263.7	261.7	259.6
40°	213.9	218.1	218.1	211.8	207.7
42.5°	174.4	178.6	182.8	174.4	168.2
45°	147.4	149.5	153.7	145.4	141.2
47.5°	128.8	128.8	132.9	126.7	124.6
50°	116.3	116.3	114.2	112.1	114.2
52.5°	105.9	103.8	101.8	103.8	103.8
55°	97.6	95.5	93.5	95.5	95.5
57.5°	91.4	89.3	87.2	87.2	89.3
60°	87.2	83.1	81.0	83.1	85.1
62.5°	83.1	76.8	74.8	76.8	81.0
65°	81.0	72.7	68.5	72.7	78.9
67.5°	78.9	68.5	62.3	68.5	76.8
70°	76.8	64.4	56.1	64.4	74.8
72.5°	74.8	60.2	51.9	60.2	74.8
75°	74.8	56.1	45.7	56.1	72.7
77.5°	70.6	51.9	39.5	51.9	68.5
80°	62.3	47.8	33.2	45.7	58.1
82.5°	45.7	41.5	24.9	39.5	43.6
85°	24.9	29.1	16.6	27.0	22.8
87.5°	4.2	6.2	4.2	12.5	8.3



TEST NUMBER: P1310703

CATALOG NUMBER: P3SQAS24R309040D010 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)