

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: P1310686

Luminaire Tested: P3SQAS24R259040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

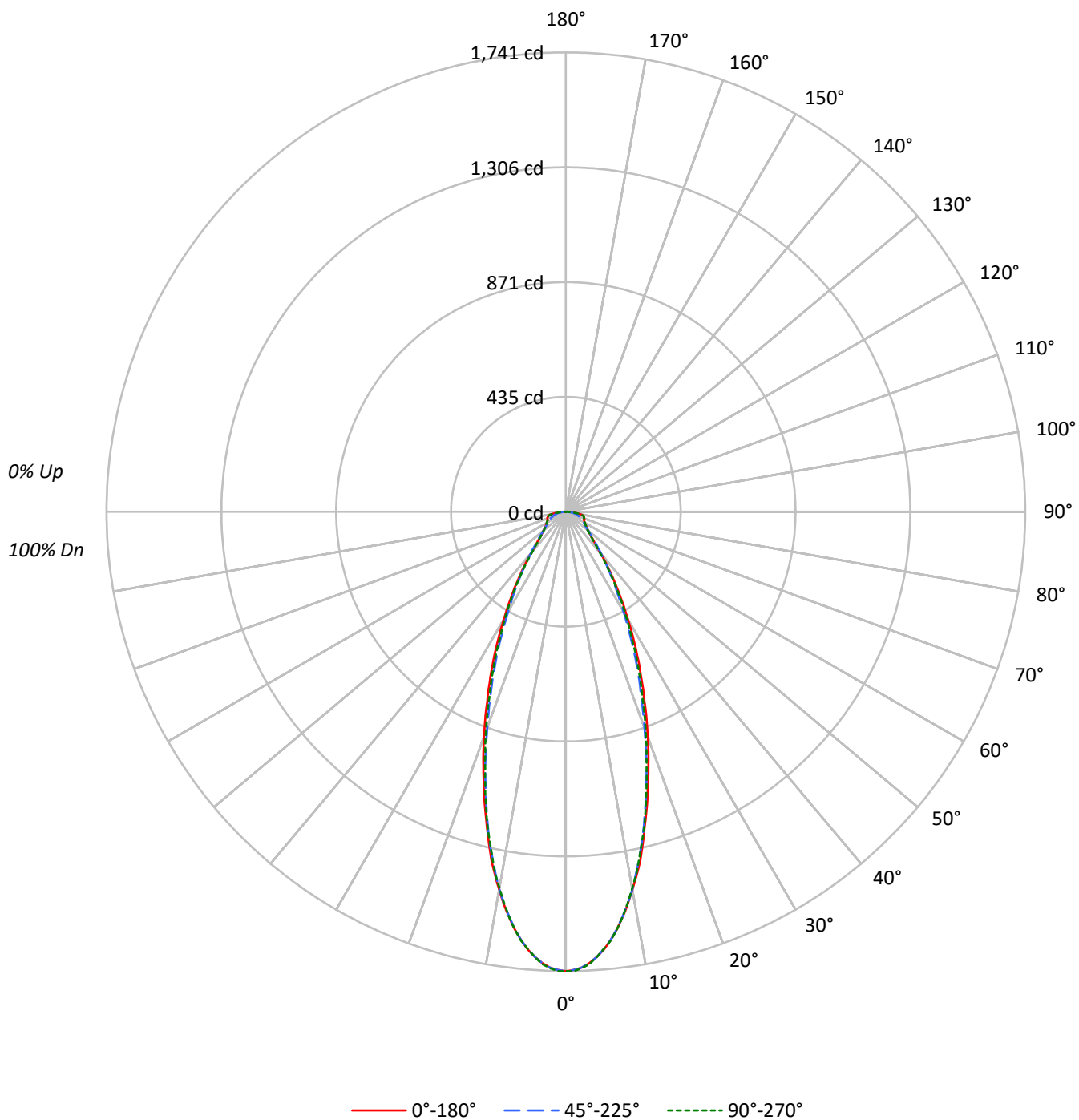
Lumens per Lamp: N/A
Luminaire Lumens: 1315.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310686

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310686

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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	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	299874	299874	299874
5°	287725	287362	287362
10°	254345	253977	253260
15°	210053	207093	208199
20°	166414	159560	162217
25°	126748	120021	123194
30°	93387	86765	90484
35°	66837	63788	64650
40°	45773	46718	44380
45°	33903	35925	33392
50°	29499	29499	28937
55°	28074	26813	28074
60°	28623	26488	28623
65°	31338	27100	31338
70°	37665	27191	36608
75°	46978	29012	46978
80°	59805	30944	55639
85°	49203	28652	49203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 59805 cd/sqm

TEST NUMBER: P1310686

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	11.6
10°-20°	322.8	24.6
20°-30°	295.8	22.5
30°-40°	195.1	14.8
40°-50°	113.6	8.6
50°-60°	83.0	6.3
60°-70°	70.4	5.4
70°-80°	58.3	4.4
80°-90°	24.0	1.8
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°	770.6	58.6
0°-40°	965.7	73.4
0°-60°	1162.3	88.4
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1664	1662	1662	1664	1662	152
15°	1178	1174	1162	1166	1168	326
25°	667	648	632	634	648	307
35°	318	312	303	303	308	201
45°	139	143	148	139	137	112
55°	94	94	89	91	94	85
65°	77	71	66	71	77	77
75°	71	54	44	54	71	74
85°	25	27	14	27	25	28
90°	0	0	0	0	0	

TEST NUMBER: P1310686

CATALOG NUMBER: P3SQAS24R259040D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1741.2	1741.2	1741.2	1741.2	1741.2
1°	1737.0	1737.0	1737.0	1737.0	1741.2
2°	1728.7	1726.6	1728.7	1728.7	1730.8
3°	1712.1	1712.1	1712.1	1712.1	1716.2
4°	1691.3	1691.3	1691.3	1691.3	1691.3
5°	1664.3	1662.2	1662.2	1664.3	1662.2
6°	1631.0	1631.0	1631.0	1631.0	1633.1
7°	1593.6	1591.6	1591.6	1589.5	1593.6
8°	1550.0	1550.0	1547.9	1545.8	1550.0
9°	1504.3	1506.4	1502.2	1500.1	1500.1
10°	1454.4	1452.3	1452.3	1452.3	1448.2
11°	1404.6	1398.3	1396.3	1396.3	1400.4
12°	1354.7	1344.3	1340.2	1340.2	1340.2
13°	1294.4	1290.3	1284.1	1279.9	1282.0
14°	1234.2	1234.2	1223.8	1223.8	1228.0
15°	1178.1	1173.9	1161.5	1165.6	1167.7
17.5°	1038.9	1030.6	1016.0	1016.0	1018.1
20°	908.0	893.4	870.6	881.0	885.1
22.5°	779.2	764.6	741.8	752.1	756.3
25°	667.0	648.3	631.6	633.7	648.3
27.5°	565.1	544.4	527.7	534.0	542.3
30°	469.6	457.1	436.3	446.7	455.0
32.5°	388.5	378.2	363.6	369.8	378.2
35°	317.9	311.7	303.4	303.4	307.5
37.5°	257.6	255.6	251.4	249.3	247.3
40°	203.6	207.8	207.8	203.6	197.4
42.5°	166.2	170.4	174.5	166.2	160.0
45°	139.2	143.4	147.5	139.2	137.1
47.5°	122.6	124.7	126.7	122.6	120.5
50°	110.1	110.1	110.1	108.0	108.0
52.5°	101.8	99.7	97.7	99.7	99.7
55°	93.5	93.5	89.3	91.4	93.5
57.5°	87.3	85.2	83.1	85.2	87.3
60°	83.1	79.0	76.9	79.0	83.1
62.5°	79.0	74.8	70.6	74.8	79.0
65°	76.9	70.6	66.5	70.6	76.9
67.5°	74.8	66.5	60.3	66.5	74.8
70°	74.8	62.3	54.0	62.3	72.7
72.5°	72.7	58.2	49.9	58.2	72.7
75°	70.6	54.0	43.6	54.0	70.6
77.5°	68.6	49.9	37.4	49.9	66.5
80°	60.3	45.7	31.2	45.7	56.1
82.5°	43.6	37.4	24.9	37.4	41.6
85°	24.9	27.0	14.5	27.0	24.9
87.5°	4.2	6.2	4.2	10.4	8.3



TEST NUMBER: P1310686

CATALOG NUMBER: P3SQAS24R259040D010 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)