

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: P1311731

Luminaire Tested: P3SQAS24R159050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

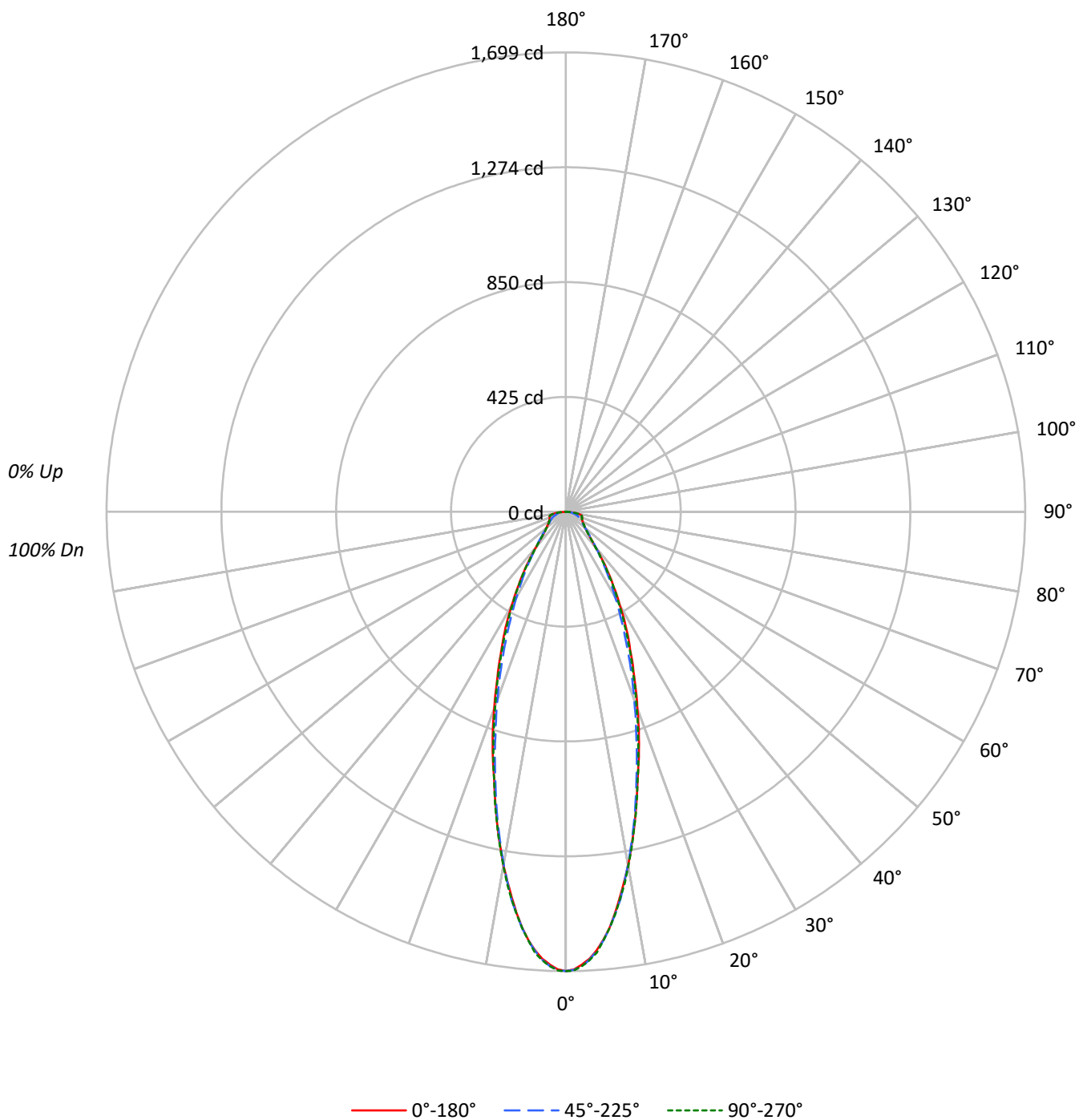
Lumens per Lamp: N/A
Luminaire Lumens: 1139.0 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311731

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311731

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHLP1MW

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	292606	292606	292606
5°	274811	275174	275174
10°	232135	231418	232869
15°	182577	179992	182934
20°	141892	135459	139986
25°	107099	99650	105522
30°	79646	72665	77995
35°	56850	52961	55988
40°	38512	38984	38062
45°	28667	30177	28667
50°	24891	24891	24891
55°	24171	22940	24171
60°	24903	22768	24180
65°	26937	23554	26937
70°	32227	23918	32227
75°	41189	24754	41189
80°	51176	26580	49094
85°	40706	24503	44856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 51176 cd/sqm

TEST NUMBER: P1311731

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.3	12.6
10°-20°	283.3	24.9
20°-30°	250.4	22.0
30°-40°	164.5	14.4
40°-50°	96.1	8.4
50°-60°	70.8	6.2
60°-70°	60.3	5.3
70°-80°	49.7	4.4
80°-90°	20.6	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°	677.0	59.4
0°-40°	841.4	73.9
0°-60°	1008.3	88.5
0°-90°	1139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1590	1590	1592	1594	1592	143
15°	1024	1024	1010	1022	1026	286
25°	564	545	524	539	555	261
35°	270	260	252	258	266	170
45°	118	120	124	120	118	95
55°	80	78	76	78	80	73
65°	66	60	58	60	66	66
75°	62	45	37	48	62	63
85°	21	23	12	21	23	23
90°	0	0	0	0	0	

TEST NUMBER: P1311731

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.0	1699.0	1699.0	1699.0	1699.0
1°	1692.8	1694.9	1694.9	1697.0	1697.0
2°	1676.3	1680.5	1682.5	1682.5	1682.5
3°	1655.7	1657.8	1659.8	1661.9	1661.9
4°	1626.8	1628.9	1628.9	1633.0	1635.0
5°	1589.6	1589.6	1591.7	1593.8	1591.7
6°	1546.3	1546.3	1548.3	1548.3	1548.3
7°	1494.7	1496.7	1498.8	1500.9	1498.8
8°	1438.9	1441.0	1447.2	1447.2	1445.1
9°	1383.2	1385.2	1385.2	1391.4	1391.4
10°	1327.4	1327.4	1323.3	1327.4	1331.6
12.5°	1176.7	1174.7	1168.5	1174.7	1178.8
15°	1024.0	1024.0	1009.5	1021.9	1026.0
17.5°	900.1	881.5	867.1	879.5	889.8
20°	774.2	755.6	739.1	751.5	763.8
22.5°	660.6	646.2	625.5	637.9	652.4
25°	563.6	545.0	524.4	538.8	555.3
27.5°	483.1	458.3	437.7	454.2	468.6
30°	400.5	384.0	365.4	377.8	392.2
32.5°	330.3	317.9	303.5	313.8	326.2
35°	270.4	260.1	251.9	258.1	266.3
37.5°	216.8	212.6	208.5	210.6	210.6
40°	171.3	173.4	173.4	173.4	169.3
42.5°	140.4	142.4	146.6	142.4	140.4
45°	117.7	119.7	123.9	119.7	117.7
47.5°	103.2	105.3	107.4	103.2	103.2
50°	92.9	92.9	92.9	92.9	92.9
52.5°	86.7	84.6	84.6	84.6	86.7
55°	80.5	78.4	76.4	78.4	80.5
57.5°	74.3	72.3	70.2	72.3	74.3
60°	72.3	68.1	66.1	68.1	70.2
62.5°	68.1	64.0	61.9	64.0	68.1
65°	66.1	59.9	57.8	59.9	66.1
67.5°	64.0	55.7	51.6	55.7	64.0
70°	64.0	51.6	47.5	53.7	64.0
72.5°	61.9	49.5	41.3	49.5	61.9
75°	61.9	45.4	37.2	47.5	61.9
77.5°	57.8	41.3	31.0	43.4	57.8
80°	51.6	37.2	26.8	39.2	49.5
82.5°	37.2	31.0	20.6	31.0	37.2
85°	20.6	22.7	12.4	20.6	22.7
87.5°	2.1	6.2	4.1	12.4	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)