

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: P1310654

Luminaire Tested: P3SQAS24R159040D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310654
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: P3SQAS24R159040D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

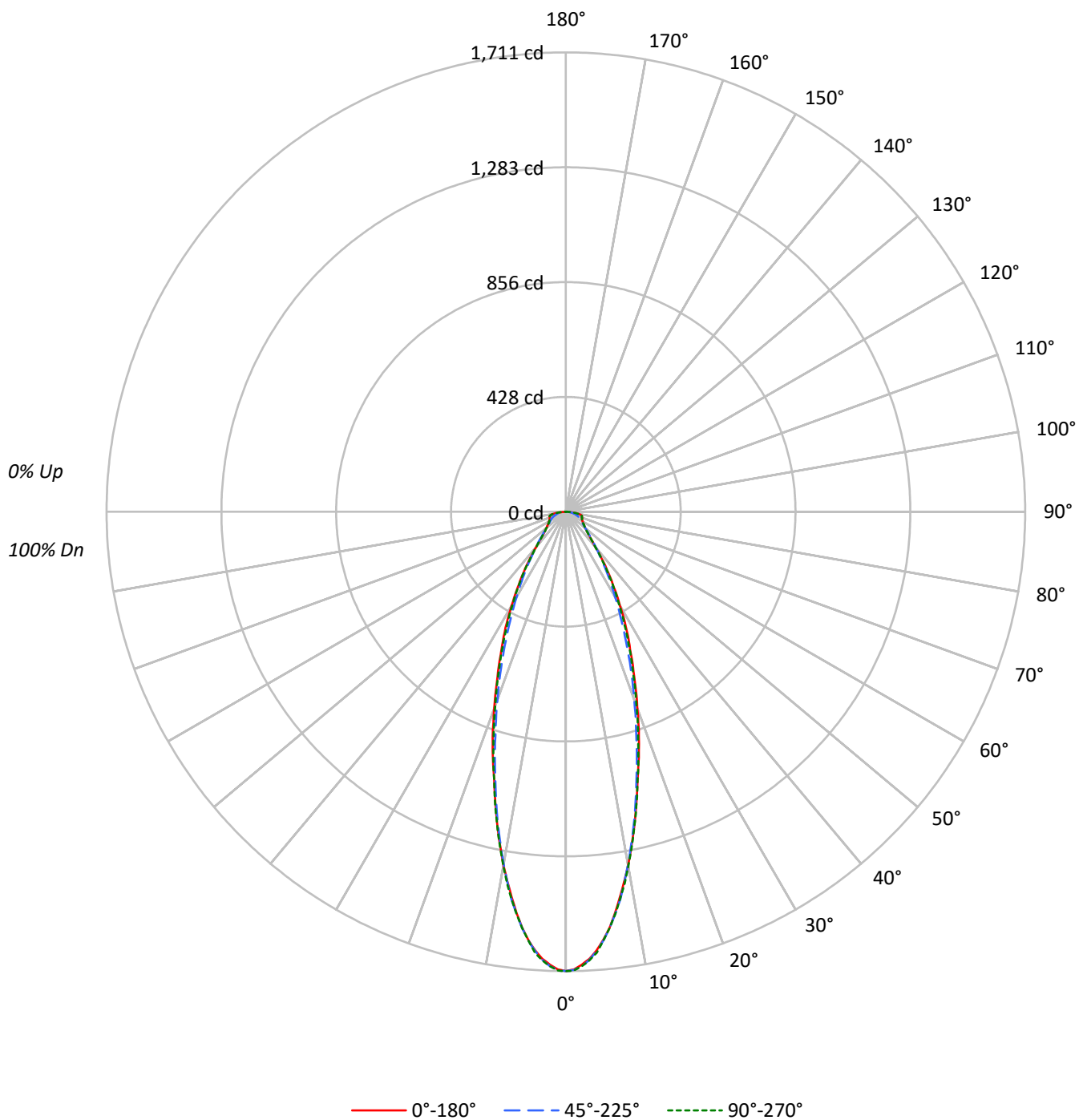
Lumens per Lamp: N/A
Luminaire Lumens: 1147.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310654

CATALOG NUMBER: P3SQAS24R159040D010 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	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		72	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°	294673	294673	294673
5°	276747	277110	277110
10°	233779	233044	234496
15°	183861	181258	184217
20°	142882	136412	140976
25°	107859	100353	106263
30°	80202	73183	78552
35°	57250	53318	56388
40°	38804	39254	38332
45°	28862	30372	28862
50°	25078	25078	25078
55°	24351	23090	24351
60°	25076	22906	24352
65°	27100	23717	27100
70°	32428	24069	32428
75°	41522	24887	41522
80°	51573	26778	49490
85°	41101	24700	45251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 51573 cd/sqm

TEST NUMBER: P1310654

CATALOG NUMBER: P3SQAS24R159040D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	12.6
10°-20°	285.3	24.9
20°-30°	252.1	22.0
30°-40°	165.6	14.4
40°-50°	96.8	8.4
50°-60°	71.3	6.2
60°-70°	60.7	5.3
70°-80°	50.1	4.4
80°-90°	20.8	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°	681.7	59.4
0°-40°	847.3	73.9
0°-60°	1015.4	88.5
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1711	1711	1711	1711	1711	
5°	1601	1601	1603	1605	1603	144
15°	1031	1031	1017	1029	1033	288
25°	568	549	528	543	559	262
35°	272	262	254	260	268	172
45°	118	121	125	121	118	95
55°	81	79	77	79	81	73
65°	66	60	58	60	66	66
75°	62	46	37	48	62	64
85°	21	23	12	21	23	23
90°	0	0	0	0	0	

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CATALOG NUMBER: P3SQAS24R159040D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1711.0	1711.0	1711.0	1711.0	1711.0
1°	1704.7	1706.8	1706.8	1708.9	1708.9
2°	1688.1	1692.3	1694.3	1694.3	1694.3
3°	1667.3	1669.4	1671.5	1673.6	1673.6
4°	1638.2	1640.3	1640.3	1644.5	1646.5
5°	1600.8	1600.8	1602.9	1605.0	1602.9
6°	1557.1	1557.1	1559.2	1559.2	1559.2
7°	1505.2	1507.2	1509.3	1511.4	1509.3
8°	1449.0	1451.1	1457.3	1457.3	1455.3
9°	1392.9	1395.0	1395.0	1401.2	1401.2
10°	1336.8	1336.8	1332.6	1336.8	1340.9
12.5°	1185.0	1182.9	1176.7	1182.9	1187.1
15°	1031.2	1031.2	1016.6	1029.1	1033.2
17.5°	906.4	887.7	873.2	885.6	896.0
20°	779.6	760.9	744.3	756.7	769.2
22.5°	665.3	650.7	629.9	642.4	656.9
25°	567.6	548.8	528.1	542.6	559.2
27.5°	486.5	461.5	440.7	457.4	471.9
30°	403.3	386.7	368.0	380.4	395.0
32.5°	332.6	320.2	305.6	316.0	328.5
35°	272.3	261.9	253.6	259.9	268.2
37.5°	218.3	214.1	210.0	212.1	212.1
40°	172.6	174.6	174.6	174.6	170.5
42.5°	141.4	143.4	147.6	143.4	141.4
45°	118.5	120.6	124.7	120.6	118.5
47.5°	103.9	106.0	108.1	103.9	103.9
50°	93.6	93.6	93.6	93.6	93.6
52.5°	87.3	85.2	85.2	85.2	87.3
55°	81.1	79.0	76.9	79.0	81.1
57.5°	74.8	72.8	70.7	72.8	74.8
60°	72.8	68.6	66.5	68.6	70.7
62.5°	68.6	64.4	62.4	64.4	68.6
65°	66.5	60.3	58.2	60.3	66.5
67.5°	64.4	56.1	52.0	56.1	64.4
70°	64.4	52.0	47.8	54.1	64.4
72.5°	62.4	49.9	41.6	49.9	62.4
75°	62.4	45.7	37.4	47.8	62.4
77.5°	58.2	41.6	31.2	43.7	58.2
80°	52.0	37.4	27.0	39.5	49.9
82.5°	37.4	31.2	20.8	31.2	37.4
85°	20.8	22.9	12.5	20.8	22.9
87.5°	2.1	6.2	4.2	12.5	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)