

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: P1308418

Luminaire Tested: P3SQAS24R159030D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308418
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: P3SQAS24R159030D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

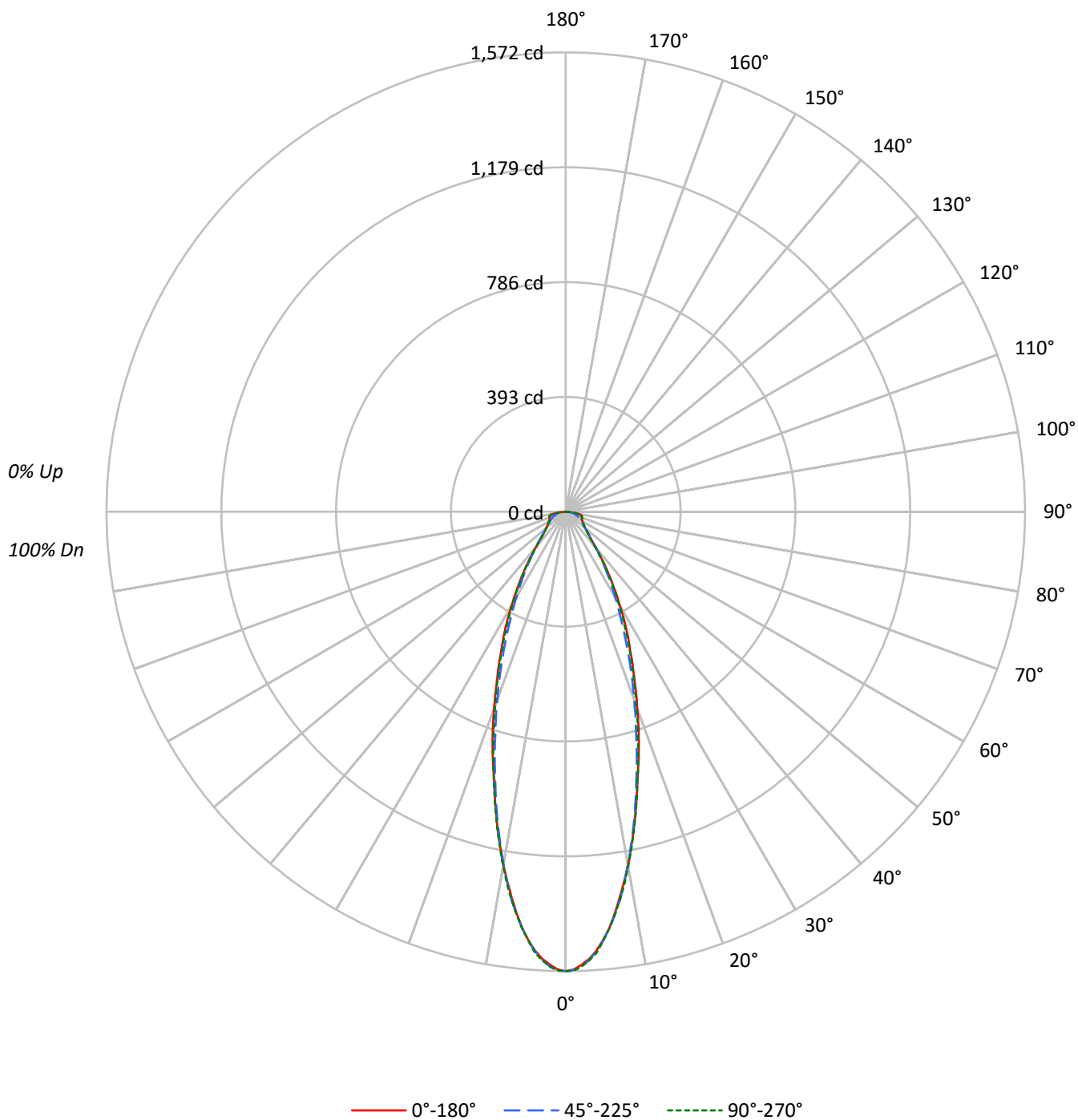
Lumens per Lamp: N/A
Luminaire Lumens: 1054.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	270768	270768	270768
5°	254307	254636	254636
10°	214822	214157	215486
15°	168955	166566	169294
20°	131299	125342	129539
25°	99099	92201	97655
30°	73700	67236	72188
35°	52624	49008	51804
40°	35657	36084	35229
45°	26524	27912	26524
50°	23042	23042	23042
55°	22369	21228	22369
60°	23043	21046	22389
65°	24899	21802	24899
70°	29810	22106	29810
75°	38128	22890	38128
80°	47408	24596	45424
85°	37742	22724	41497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 47408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	12.6
10°-20°	262.1	24.9
20°-30°	231.7	22.0
30°-40°	152.2	14.4
40°-50°	88.9	8.4
50°-60°	65.5	6.2
60°-70°	55.8	5.3
70°-80°	46.0	4.4
80°-90°	19.1	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°	626.4	59.4
0°-40°	778.6	73.9
0°-60°	933.1	88.5
0°-90°	1054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1471	1471	1473	1475	1473	132
15°	948	948	934	946	950	265
25°	522	504	485	499	514	241
35°	250	241	233	239	246	158
45°	109	111	115	111	109	88
55°	74	73	71	73	74	67
65°	61	55	54	55	61	61
75°	57	42	34	44	57	59
85°	19	21	12	19	21	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1572.2	1572.2	1572.2	1572.2	1572.2
1°	1566.5	1568.4	1568.4	1570.3	1570.3
2°	1551.2	1555.1	1557.0	1557.0	1557.0
3°	1532.1	1534.0	1536.0	1537.9	1537.9
4°	1505.4	1507.3	1507.3	1511.1	1513.0
5°	1471.0	1471.0	1472.9	1474.8	1472.9
6°	1430.9	1430.9	1432.8	1432.8	1432.8
7°	1383.1	1385.0	1386.9	1388.9	1386.9
8°	1331.5	1333.5	1339.2	1339.2	1337.3
9°	1280.0	1281.9	1281.9	1287.6	1287.6
10°	1228.4	1228.4	1224.6	1228.4	1232.2
12.5°	1088.9	1087.0	1081.3	1087.0	1090.8
15°	947.6	947.6	934.2	945.6	949.5
17.5°	832.9	815.7	802.4	813.8	823.4
20°	716.4	699.2	683.9	695.4	706.8
22.5°	611.3	598.0	578.8	590.3	603.7
25°	521.5	504.3	485.2	498.6	513.9
27.5°	447.0	424.1	405.0	420.3	433.7
30°	370.6	355.3	338.1	349.6	363.0
32.5°	305.7	294.2	280.8	290.4	301.8
35°	250.3	240.7	233.1	238.8	246.4
37.5°	200.6	196.8	192.9	194.9	194.9
40°	158.6	160.5	160.5	160.5	156.7
42.5°	129.9	131.8	135.6	131.8	129.9
45°	108.9	110.8	114.6	110.8	108.9
47.5°	95.5	97.4	99.3	95.5	95.5
50°	86.0	86.0	86.0	86.0	86.0
52.5°	80.2	78.3	78.3	78.3	80.2
55°	74.5	72.6	70.7	72.6	74.5
57.5°	68.8	66.9	65.0	66.9	68.8
60°	66.9	63.0	61.1	63.0	65.0
62.5°	63.0	59.2	57.3	59.2	63.0
65°	61.1	55.4	53.5	55.4	61.1
67.5°	59.2	51.6	47.8	51.6	59.2
70°	59.2	47.8	43.9	49.7	59.2
72.5°	57.3	45.8	38.2	45.8	57.3
75°	57.3	42.0	34.4	43.9	57.3
77.5°	53.5	38.2	28.7	40.1	53.5
80°	47.8	34.4	24.8	36.3	45.8
82.5°	34.4	28.7	19.1	28.7	34.4
85°	19.1	21.0	11.5	19.1	21.0
87.5°	1.9	5.7	3.8	11.5	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)