

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: P1311729

Luminaire Tested: P3SQAS24R159050D010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159050D010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

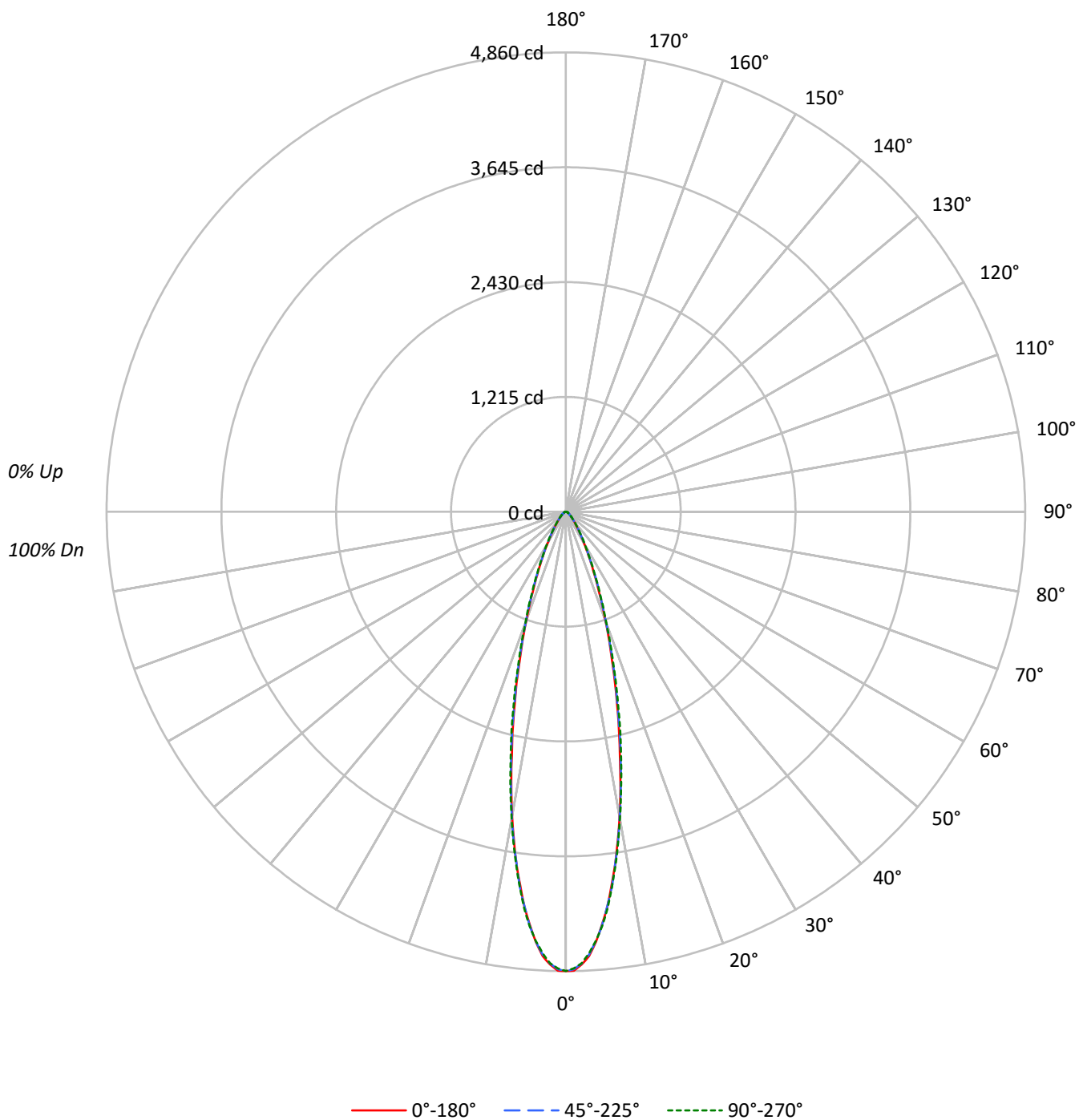
Lumens per Lamp: N/A
Luminaire Lumens: 1607.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311729

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1311729

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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	836916	836916	836916
5°	758064	759481	760553
10°	572328	573762	576648
15°	371216	375264	382628
20°	223504	226162	229186
25°	130567	133323	135280
30°	76742	79188	80421
35°	47284	49029	49891
40°	31093	32014	32464
45°	21604	22115	22627
50°	16022	16585	17148
55°	13001	13632	13632
60°	11367	11367	11367
65°	10106	10106	10106
70°	8308	9366	9366
75°	8251	8251	8251
80°	6149	8232	8232
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 22627 cd/sqm

TEST NUMBER: P1311729

CATALOG NUMBER: P3SQAS24R159050D010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	23.8
10°-20°	585.3	36.4
20°-30°	332.7	20.7
30°-40°	151.8	9.4
40°-50°	72.8	4.5
50°-60°	40.7	2.5
60°-70°	24.9	1.6
70°-80°	13.3	0.8
80°-90°	2.8	0.2
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°	1300.7	80.9
0°-40°	1452.5	90.4
0°-60°	1566.0	97.4
0°-90°	1607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4860	4860	4860	4860	4860	
5°	4385	4383	4393	4393	4399	382
15°	2082	2092	2105	2134	2146	578
25°	687	687	702	708	712	326
35°	225	229	233	237	237	148
45°	89	89	91	93	93	71
55°	43	43	45	45	45	40
65°	25	25	25	25	25	24
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4859.5	4859.5	4859.5	4859.5	4859.5
1°	4855.3	4843.0	4838.8	4836.8	4832.6
2°	4793.4	4783.1	4781.1	4781.1	4779.0
3°	4706.8	4688.2	4690.3	4684.1	4677.9
4°	4560.3	4552.0	4556.1	4560.3	4552.0
5°	4384.9	4382.8	4393.1	4393.1	4399.3
6°	4203.3	4201.2	4195.0	4211.5	4219.8
7°	3972.2	3984.6	4001.1	3992.8	3999.0
8°	3761.7	3747.3	3753.4	3774.1	3776.1
9°	3514.1	3503.8	3530.6	3538.8	3540.9
10°	3272.7	3283.0	3280.9	3309.8	3297.4
12.5°	2643.3	2659.8	2678.4	2690.8	2703.1
15°	2082.0	2092.4	2104.7	2133.6	2146.0
17.5°	1601.2	1613.6	1626.0	1650.8	1654.9
20°	1219.5	1225.7	1234.0	1256.7	1250.5
22.5°	912.1	922.4	930.6	940.9	947.1
25°	687.1	687.1	701.6	707.8	711.9
27.5°	511.7	515.9	526.2	534.4	532.4
30°	385.9	392.1	398.2	402.4	404.4
32.5°	297.1	297.1	303.3	309.5	311.6
35°	224.9	229.0	233.2	237.3	237.3
37.5°	175.4	177.5	181.6	183.6	183.6
40°	138.3	138.3	142.4	144.4	144.4
42.5°	109.4	111.4	113.5	115.6	115.6
45°	88.7	88.7	90.8	92.9	92.9
47.5°	72.2	72.2	74.3	76.3	76.3
50°	59.8	61.9	61.9	64.0	64.0
52.5°	51.6	51.6	51.6	53.7	53.7
55°	43.3	43.3	45.4	45.4	45.4
57.5°	37.1	37.1	37.1	39.2	39.2
60°	33.0	33.0	33.0	33.0	33.0
62.5°	28.9	28.9	28.9	28.9	28.9
65°	24.8	24.8	24.8	24.8	24.8
67.5°	20.6	20.6	20.6	22.7	22.7
70°	16.5	18.6	18.6	18.6	18.6
72.5°	14.4	14.4	14.4	14.4	14.4
75°	12.4	12.4	12.4	12.4	12.4
77.5°	10.3	10.3	10.3	10.3	10.3
80°	6.2	8.3	8.3	8.3	8.3
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)