

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: P1307330

Luminaire Tested: P3SQAS24R259027D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259027D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

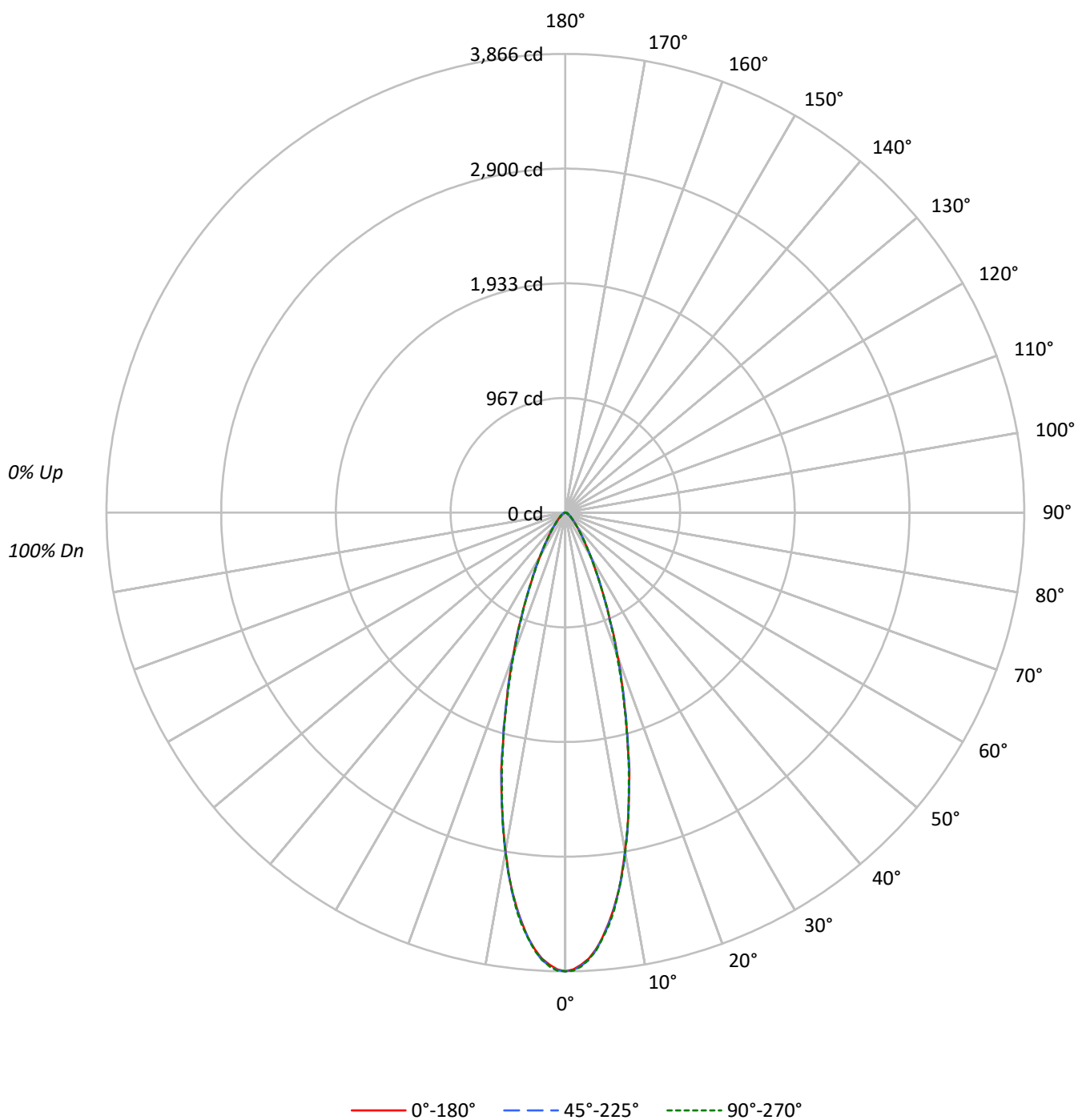
Lumens per Lamp: N/A
Luminaire Lumens: 1549.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	665796	665796	665796
5°	621454	622076	622387
10°	506888	508462	508462
15°	362052	363978	362052
20°	236939	234629	231312
25°	140886	141570	140886
30°	84856	84856	84498
35°	51699	52078	51699
40°	32936	33341	33341
45°	22895	22895	22895
50°	16478	16960	16960
55°	13031	13031	13572
60°	10574	11194	11194
65°	9577	9577	9577
70°	8208	8208	9114
75°	7187	7187	8451
80°	7141	7141	7141
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.3	20.7
10°-20°	560.0	36.2
20°-30°	352.0	22.7
30°-40°	161.0	10.4
40°-50°	75.2	4.9
50°-60°	40.4	2.6
60°-70°	23.8	1.5
70°-80°	12.4	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°	1233.3	79.6
0°-40°	1394.3	90.0
0°-60°	1510.0	97.5
0°-90°	1549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3866	3866	3866	3866	3866	
5°	3595	3602	3598	3602	3600	321
15°	2031	2043	2041	2045	2031	560
25°	741	750	745	745	741	353
35°	246	246	248	248	246	161
45°	94	94	94	94	94	75
55°	43	43	43	45	45	40
65°	24	24	24	24	24	23
75°	11	11	11	13	13	12
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3865.9	3865.9	3865.9	3865.9	3865.9
1°	3849.6	3853.2	3856.8	3862.3	3860.5
2°	3813.4	3820.7	3822.5	3829.7	3827.9
3°	3764.6	3762.8	3777.3	3777.3	3768.2
4°	3688.7	3692.3	3695.9	3699.5	3701.3
5°	3594.7	3601.9	3598.3	3601.9	3600.1
6°	3478.9	3489.8	3488.0	3491.6	3497.0
7°	3356.0	3363.2	3363.2	3359.6	3374.1
8°	3222.2	3216.7	3225.8	3222.2	3220.4
9°	3063.1	3073.9	3075.7	3066.7	3070.3
10°	2898.5	2905.7	2907.5	2913.0	2907.5
11°	2735.8	2735.8	2739.4	2748.4	2734.0
12°	2558.6	2574.8	2558.6	2565.8	2558.6
13°	2390.4	2394.0	2390.4	2388.6	2375.9
14°	2231.3	2218.6	2222.2	2207.8	2209.6
15°	2030.6	2043.2	2041.4	2045.0	2030.6
17.5°	1632.8	1640.0	1638.2	1634.6	1616.5
20°	1292.8	1292.8	1280.2	1273.0	1262.1
22.5°	987.3	983.6	978.2	972.8	976.4
25°	741.4	750.4	745.0	745.0	741.4
27.5°	560.5	571.4	562.3	556.9	560.5
30°	426.7	430.3	426.7	424.9	424.9
32.5°	321.9	323.7	321.9	321.9	321.9
35°	245.9	245.9	247.7	247.7	245.9
37.5°	189.9	189.9	189.9	189.9	191.7
40°	146.5	148.3	148.3	148.3	148.3
42.5°	115.7	117.5	117.5	117.5	117.5
45°	94.0	94.0	94.0	94.0	94.0
47.5°	75.9	75.9	75.9	75.9	77.8
50°	61.5	63.3	63.3	63.3	63.3
52.5°	52.4	52.4	52.4	52.4	52.4
55°	43.4	43.4	43.4	45.2	45.2
57.5°	36.2	36.2	38.0	38.0	38.0
60°	30.7	32.5	32.5	32.5	32.5
62.5°	27.1	27.1	28.9	28.9	28.9
65°	23.5	23.5	23.5	23.5	23.5
67.5°	19.9	19.9	19.9	19.9	21.7
70°	16.3	16.3	16.3	18.1	18.1
72.5°	14.5	14.5	14.5	14.5	14.5
75°	10.8	10.8	10.8	12.7	12.7
77.5°	9.0	9.0	9.0	9.0	9.0
80°	7.2	7.2	7.2	7.2	7.2
82.5°	3.6	3.6	5.4	5.4	5.4
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)