

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: P1308500

Luminaire Tested: P3SQAS24R459030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

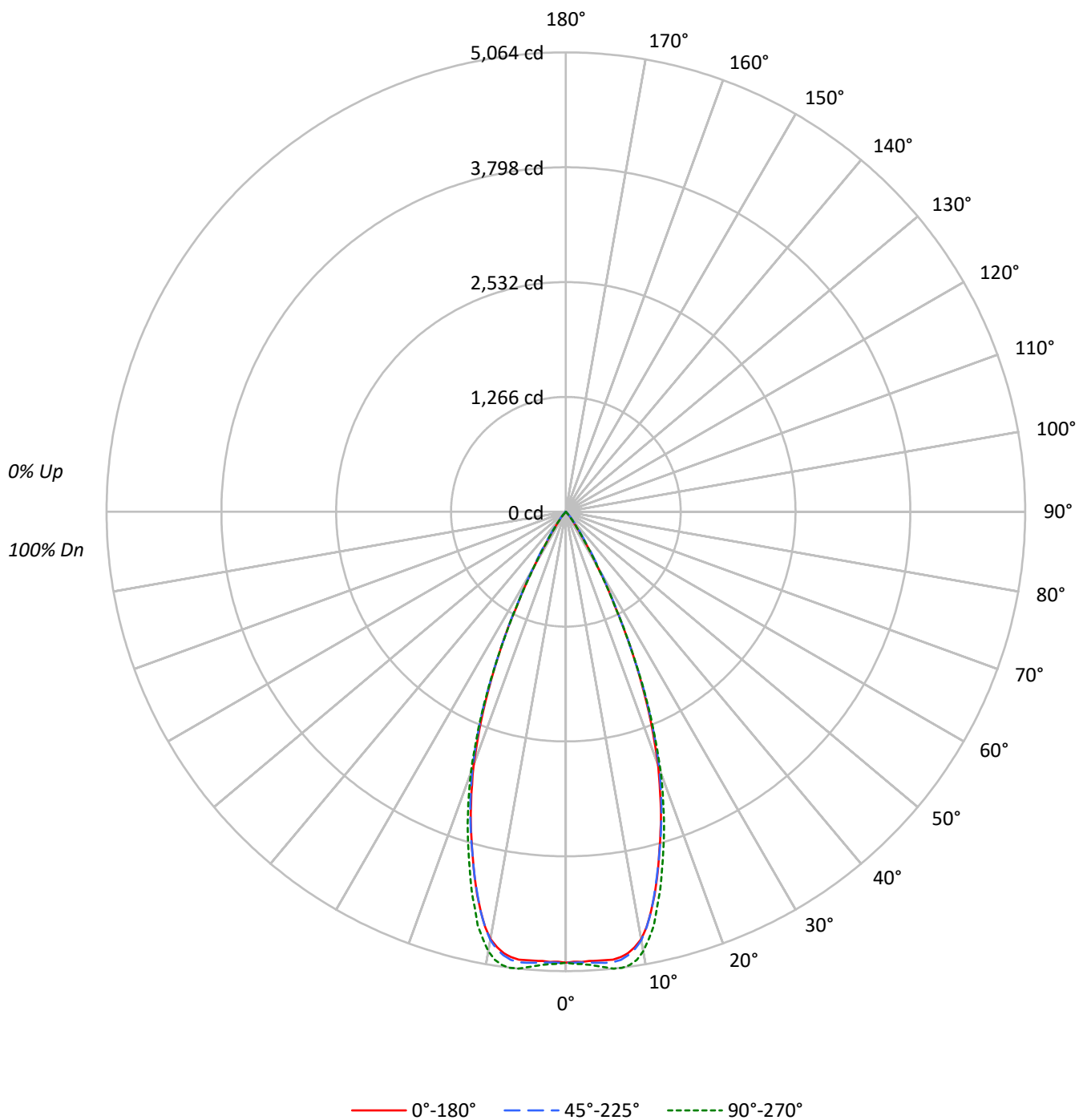
Lumens per Lamp: N/A
Luminaire Lumens: 2570.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	856084	856084	856084
5°	858041	862985	871577
10°	836553	838232	860267
15°	705757	706096	729257
20°	544805	552502	561611
25°	337981	338342	340509
30°	139425	148175	137138
35°	43374	53024	41776
40°	13309	18458	12455
45°	926	6990	926
50°	0	1018	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6990 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.1	18.4
10°-20°	1100.0	42.8
20°-30°	806.9	31.4
30°-40°	173.4	6.7
40°-50°	16.5	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2380.0	92.6
0°-40°	2553.4	99.4
0°-60°	2570.0	100.0
0°-90°	2570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4971	4971	4971	4971	4971	
5°	4963	4977	4992	5026	5042	469
15°	3958	3951	3960	4023	4090	1090
25°	1779	1773	1780	1780	1792	798
35°	206	222	252	216	199	162
45°	4	12	29	12	4	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4970.8	4970.8	4970.8	4970.8	4970.8
1°	4961.3	4972.7	4972.7	4980.4	4984.2
2°	4965.1	4972.7	4970.8	4984.2	4989.9
3°	4959.4	4972.7	4976.6	4991.8	5001.4
4°	4961.3	4972.7	4984.2	5007.1	5020.5
5°	4963.2	4976.6	4991.8	5026.2	5041.5
6°	4965.1	4974.6	4991.8	5035.8	5064.4
7°	4946.0	4959.4	4978.5	5033.9	5064.4
8°	4915.4	4923.1	4938.4	5010.9	5047.2
9°	4858.1	4856.2	4879.1	4959.4	5001.4
10°	4783.6	4760.7	4793.2	4873.4	4919.2
11°	4663.3	4638.4	4667.1	4753.0	4797.0
12°	4506.6	4506.6	4512.3	4588.8	4665.2
13°	4340.4	4321.3	4332.8	4418.7	4472.2
14°	4157.0	4137.9	4149.4	4214.3	4298.4
15°	3958.3	3950.7	3960.2	4023.3	4090.1
17.5°	3486.5	3469.3	3503.7	3566.7	3601.1
20°	2972.6	3001.2	3014.6	3054.7	3064.3
22.5°	2382.3	2412.8	2431.9	2437.7	2443.4
25°	1778.6	1772.8	1780.5	1780.5	1791.9
27.5°	1169.2	1169.2	1190.2	1176.8	1163.4
30°	701.1	729.8	745.1	720.2	689.6
32.5°	382.1	410.7	435.6	399.3	372.5
35°	206.3	221.6	252.2	215.9	198.7
37.5°	112.7	126.1	145.2	122.3	112.7
40°	59.2	72.6	82.1	72.6	55.4
42.5°	19.1	36.3	47.8	36.3	17.2
45°	3.8	11.5	28.7	11.5	3.8
47.5°	0.0	1.9	13.4	1.9	0.0
50°	0.0	0.0	3.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)