

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: P1308502

Luminaire Tested: P3SQAS24R459030D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R459030D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

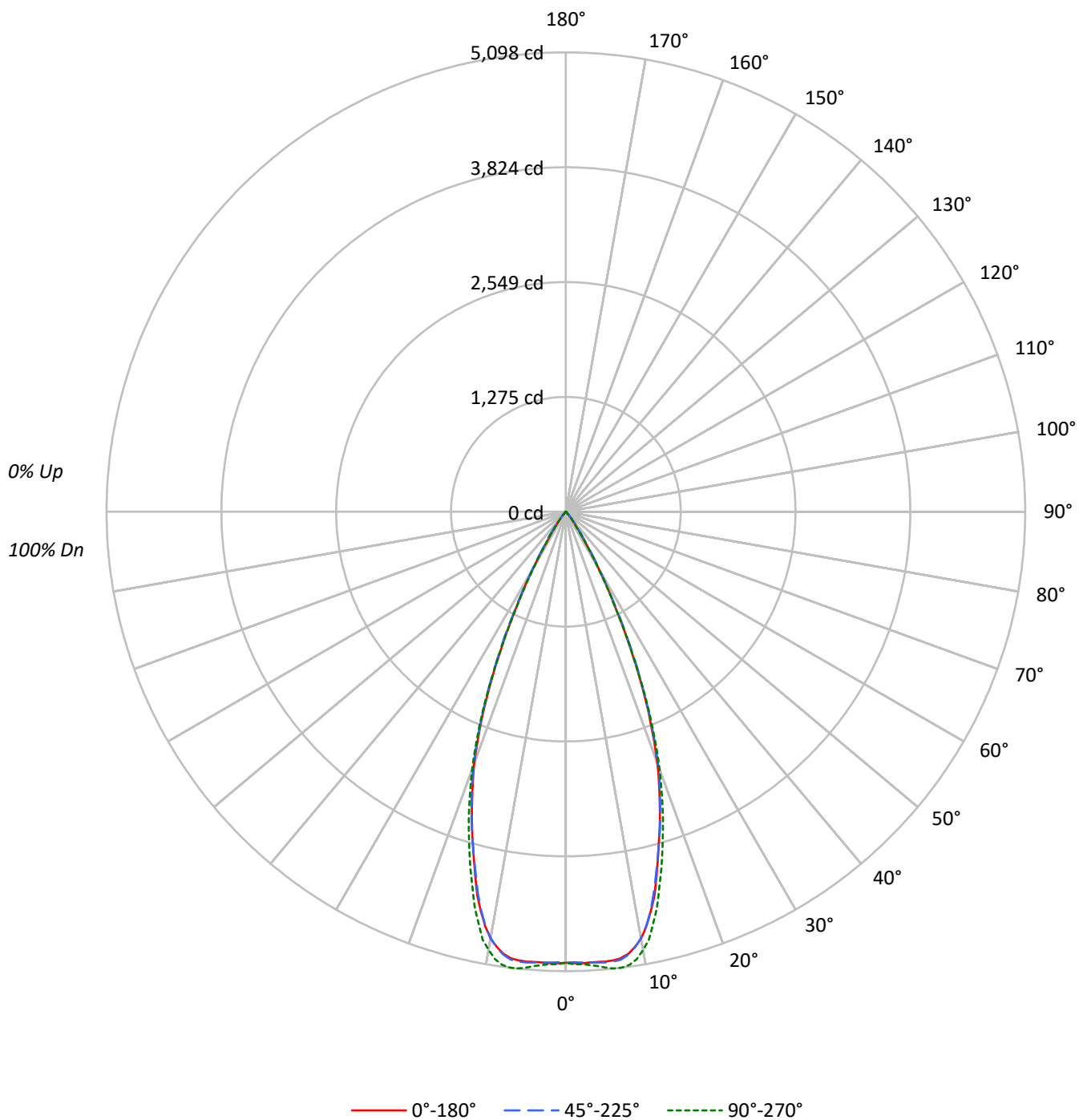
Lumens per Lamp: N/A
Luminaire Lumens: 2590.9 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	862181	862181	862181
5°	866460	868102	878008
10°	840733	840068	863450
15°	704598	704259	730148
20°	544695	550303	558001
25°	333915	340813	334637
30°	143203	149646	138649
35°	44971	54222	43773
40°	15468	19762	15041
45°	2801	8378	2338
50°	1527	3081	1527
55°	1711	1711	1711
60°	1309	1309	1309
65°	1549	1549	1549
70°	957	957	957
75°	1264	1264	1264
80°	1884	1884	1884
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.8	18.4
10°-20°	1099.4	42.4
20°-30°	805.0	31.1
30°-40°	177.8	6.9
40°-50°	21.8	0.8
50°-60°	5.1	0.2
60°-70°	3.6	0.1
70°-80°	2.1	0.1
80°-90°	0.3	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°	2380.2	91.9
0°-40°	2558.1	98.7
0°-60°	2585.0	99.8
0°-90°	2590.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2590.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5006	5006	5006	5006	5006	
5°	5012	5008	5021	5058	5079	473
15°	3952	3931	3950	4045	4095	1090
25°	1757	1755	1794	1780	1761	796
35°	214	225	258	225	208	169
45°	12	19	34	19	10	15
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	5006.2	5006.2	5006.2	5006.2	5006.2
1°	5010.0	5002.3	5000.4	5013.8	5023.4
2°	5013.8	5004.3	5006.2	5019.5	5025.3
3°	5010.0	5000.4	5010.0	5029.1	5036.7
4°	5008.1	5004.3	5013.8	5040.5	5053.9
5°	5011.9	5008.1	5021.4	5057.7	5078.7
6°	5006.2	5000.4	5019.5	5065.4	5095.9
7°	4992.8	4987.1	5008.1	5063.5	5097.8
8°	4956.5	4945.0	4966.1	5034.8	5076.8
9°	4891.6	4876.3	4897.3	4977.5	5027.2
10°	4807.5	4790.3	4803.7	4882.0	4937.4
11°	4687.2	4664.3	4679.6	4763.6	4836.2
12°	4534.4	4501.9	4521.0	4616.5	4668.1
13°	4368.2	4337.7	4341.5	4427.4	4500.0
14°	4161.9	4121.8	4139.0	4228.8	4286.1
15°	3951.8	3930.8	3949.9	4045.4	4095.1
17.5°	3470.5	3468.6	3485.8	3556.5	3583.2
20°	2972.0	2977.7	3002.6	3040.8	3044.6
22.5°	2381.8	2383.7	2410.4	2437.2	2431.5
25°	1757.2	1755.3	1793.5	1780.1	1761.0
27.5°	1165.1	1172.8	1207.1	1182.3	1163.2
30°	720.1	735.4	752.5	722.0	697.2
32.5°	389.6	414.5	439.3	412.6	387.7
35°	213.9	225.4	257.9	225.4	208.2
37.5°	124.2	129.9	150.9	129.9	118.4
40°	68.8	78.3	87.9	78.3	66.9
42.5°	28.7	43.9	53.5	43.9	28.7
45°	11.5	19.1	34.4	19.1	9.6
47.5°	5.7	7.6	21.0	7.6	5.7
50°	5.7	5.7	11.5	5.7	5.7
52.5°	5.7	5.7	5.7	5.7	5.7
55°	5.7	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7	5.7
60°	3.8	3.8	3.8	5.7	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	1.9	1.9	1.9	3.8	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
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)