

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: P1309620

Luminaire Tested: P3SQAS24R459035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309620
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: P3SQAS24R459035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

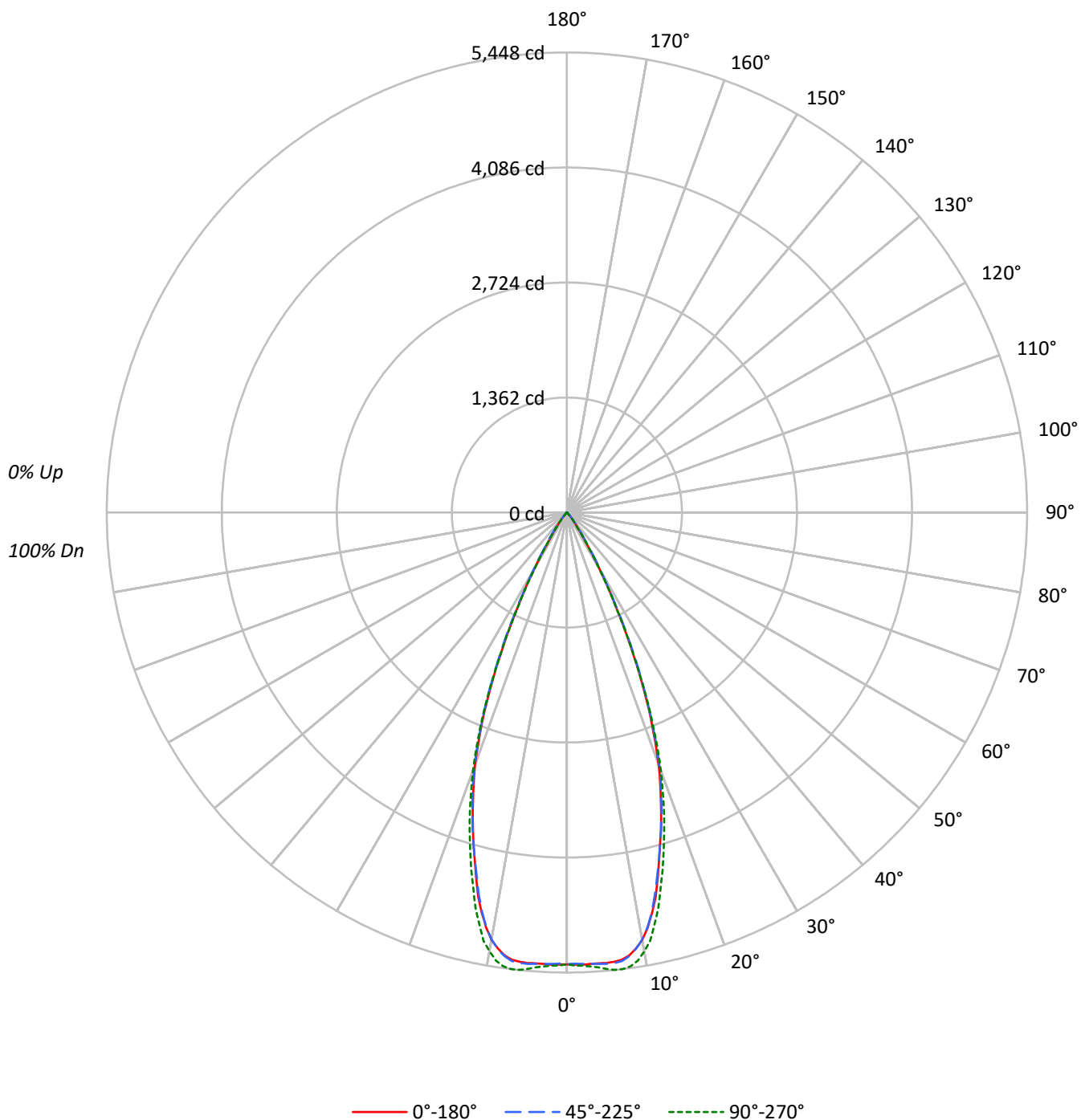
Lumens per Lamp: N/A
Luminaire Lumens: 2768.9 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67	66
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	921408	921408	921408
5°	925983	927746	938344
10°	898496	897779	922769
15°	753006	752649	780303
20°	582120	588094	596324
25°	356851	364224	357630
30°	153027	159928	148175
35°	48062	57944	46780
40°	16524	21111	16052
45°	2971	8939	2484
50°	1634	3269	1634
55°	1832	1832	1832
60°	1412	1412	1412
65°	1671	1671	1671
70°	1007	1007	1007
75°	1331	1331	1331
80°	1984	1984	1984
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.5	18.4
10°-20°	1175.0	42.4
20°-30°	860.3	31.1
30°-40°	190.1	6.9
40°-50°	23.3	0.8
50°-60°	5.5	0.2
60°-70°	3.9	0.1
70°-80°	2.2	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°	2543.7	91.9
0°-40°	2733.8	98.7
0°-60°	2762.6	99.8
0°-90°	2768.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2768.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5350	5350	5350	5350	5350	
5°	5356	5352	5366	5405	5428	506
15°	4223	4201	4221	4323	4376	1165
25°	1878	1876	1917	1902	1882	851
35°	229	241	276	241	222	180
45°	12	20	37	20	10	17
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°	5350.1	5350.1	5350.1	5350.1	5350.1
1°	5354.2	5346.0	5344.0	5358.3	5368.5
2°	5358.3	5348.0	5350.1	5364.4	5370.5
3°	5354.2	5344.0	5354.2	5374.6	5382.7
4°	5352.1	5348.0	5358.3	5386.8	5401.1
5°	5356.2	5352.1	5366.4	5405.2	5427.7
6°	5350.1	5344.0	5364.4	5413.4	5446.0
7°	5335.8	5329.7	5352.1	5411.3	5448.1
8°	5297.0	5284.8	5307.2	5380.7	5425.6
9°	5227.6	5211.3	5233.7	5319.5	5372.5
10°	5137.8	5119.4	5133.7	5217.4	5276.6
11°	5009.2	4984.7	5001.0	5090.8	5168.4
12°	4845.9	4811.2	4831.6	4933.7	4988.8
13°	4668.3	4635.7	4639.7	4731.6	4809.2
14°	4447.9	4405.0	4423.4	4519.3	4580.5
15°	4223.3	4200.9	4221.3	4323.3	4376.4
17.5°	3708.9	3706.9	3725.3	3800.8	3829.4
20°	3176.2	3182.3	3208.8	3249.7	3253.7
22.5°	2545.4	2547.5	2576.0	2604.6	2598.5
25°	1877.9	1875.9	1916.7	1902.4	1882.0
27.5°	1245.2	1253.3	1290.1	1263.5	1243.1
30°	769.5	785.9	804.2	771.6	745.1
32.5°	416.4	442.9	469.5	440.9	414.4
35°	228.6	240.9	275.6	240.9	222.5
37.5°	132.7	138.8	161.3	138.8	126.6
40°	73.5	83.7	93.9	83.7	71.4
42.5°	30.6	46.9	57.2	46.9	30.6
45°	12.2	20.4	36.7	20.4	10.2
47.5°	6.1	8.2	22.5	8.2	6.1
50°	6.1	6.1	12.2	6.1	6.1
52.5°	6.1	6.1	6.1	6.1	6.1
55°	6.1	6.1	6.1	6.1	6.1
57.5°	6.1	6.1	6.1	6.1	6.1
60°	4.1	4.1	4.1	6.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	2.0	2.0	2.0	4.1	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
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)