

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: P1309629

Luminaire Tested: P3SQAS24R509035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R509035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

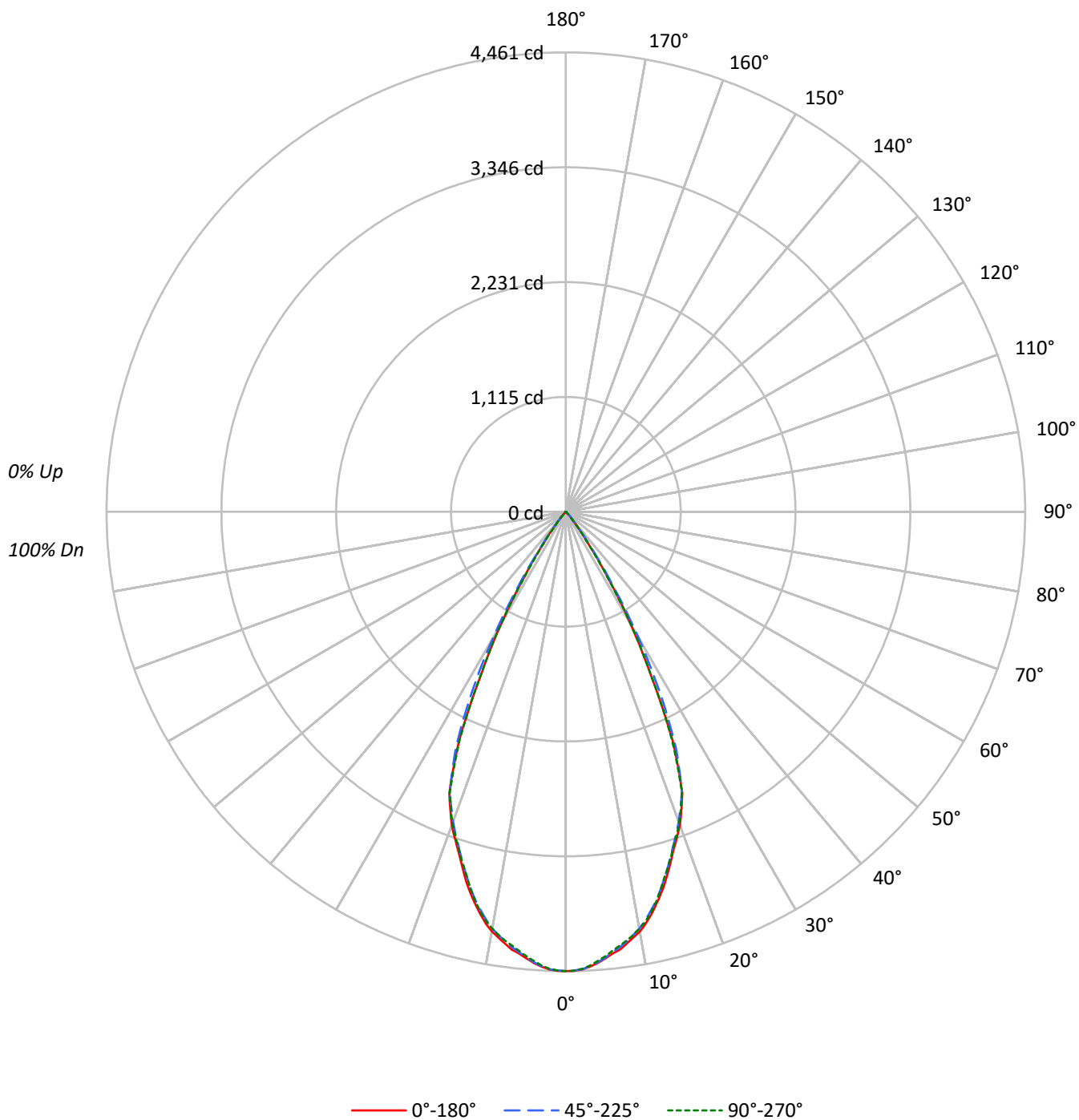
Lumens per Lamp: N/A
Luminaire Lumens: 2874.9 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83		88	85	82		87	84	81	80
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	60	77	69	64	60	68	63	60		67	63	60		66	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	768320	768320	768320
5°	753258	751857	749731
10°	723791	718790	719139
15°	664427	658241	657510
20°	593593	587233	590220
25°	466534	480102	462658
30°	249596	279625	250412
35°	81533	95262	76803
40°	20189	25225	19267
45°	2484	8939	2484
50°	1634	2733	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°	407.9	14.2
10°-20°	1031.7	35.9
20°-30°	1085.1	37.7
30°-40°	312.7	10.9
40°-50°	25.4	0.9
50°-60°	5.5	0.2
60°-70°	3.9	0.1
70°-80°	2.1	0.1
80°-90°	0.5	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°	2524.8	87.8
0°-40°	2837.5	98.7
0°-60°	2868.4	99.8
0°-90°	2874.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4461	4461	4461	4461	4461	
5°	4357	4355	4349	4353	4337	409
15°	3726	3702	3692	3692	3688	1038
25°	2455	2516	2526	2498	2435	1064
35°	388	402	453	388	365	300
45°	10	20	37	20	10	19
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°	4461.2	4461.2	4461.2	4461.2	4461.2
1°	4459.2	4463.3	4455.1	4469.4	4457.1
2°	4449.0	4451.0	4446.9	4457.1	4440.8
3°	4424.5	4428.6	4420.4	4428.6	4414.3
4°	4395.9	4395.9	4387.7	4393.9	4375.5
5°	4357.1	4355.1	4349.0	4353.0	4336.7
6°	4316.3	4314.3	4304.1	4304.1	4291.8
7°	4285.7	4271.4	4263.3	4261.2	4249.0
8°	4236.7	4232.6	4216.3	4216.3	4208.2
9°	4187.7	4183.7	4165.3	4169.4	4163.3
10°	4138.8	4124.5	4110.2	4112.2	4112.2
11°	4073.5	4061.2	4040.8	4049.0	4053.0
12°	3995.9	3981.6	3963.3	3979.6	3977.5
13°	3910.2	3897.9	3883.7	3895.9	3891.8
14°	3820.4	3802.0	3789.8	3797.9	3793.9
15°	3726.5	3702.0	3691.8	3691.8	3687.7
17.5°	3463.3	3449.0	3438.8	3432.6	3446.9
20°	3238.8	3226.5	3204.1	3210.2	3220.4
22.5°	2957.1	2955.1	2942.8	2932.6	2944.9
25°	2455.1	2516.3	2526.5	2498.0	2434.7
27.5°	1783.7	1926.5	1977.5	1910.2	1793.9
30°	1255.1	1322.4	1406.1	1273.5	1259.2
32.5°	757.1	775.5	853.1	761.2	740.8
35°	387.8	402.0	453.1	387.8	365.3
37.5°	181.6	189.8	210.2	181.6	169.4
40°	89.8	100.0	112.2	93.9	85.7
42.5°	38.8	51.0	65.3	49.0	34.7
45°	10.2	20.4	36.7	20.4	10.2
47.5°	6.1	8.2	20.4	8.2	6.1
50°	6.1	6.1	10.2	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	6.1	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	2.0	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	2.0	0.0	2.0	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)