

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: P1311822

Luminaire Tested: P3SQAS24R509050D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R509050D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

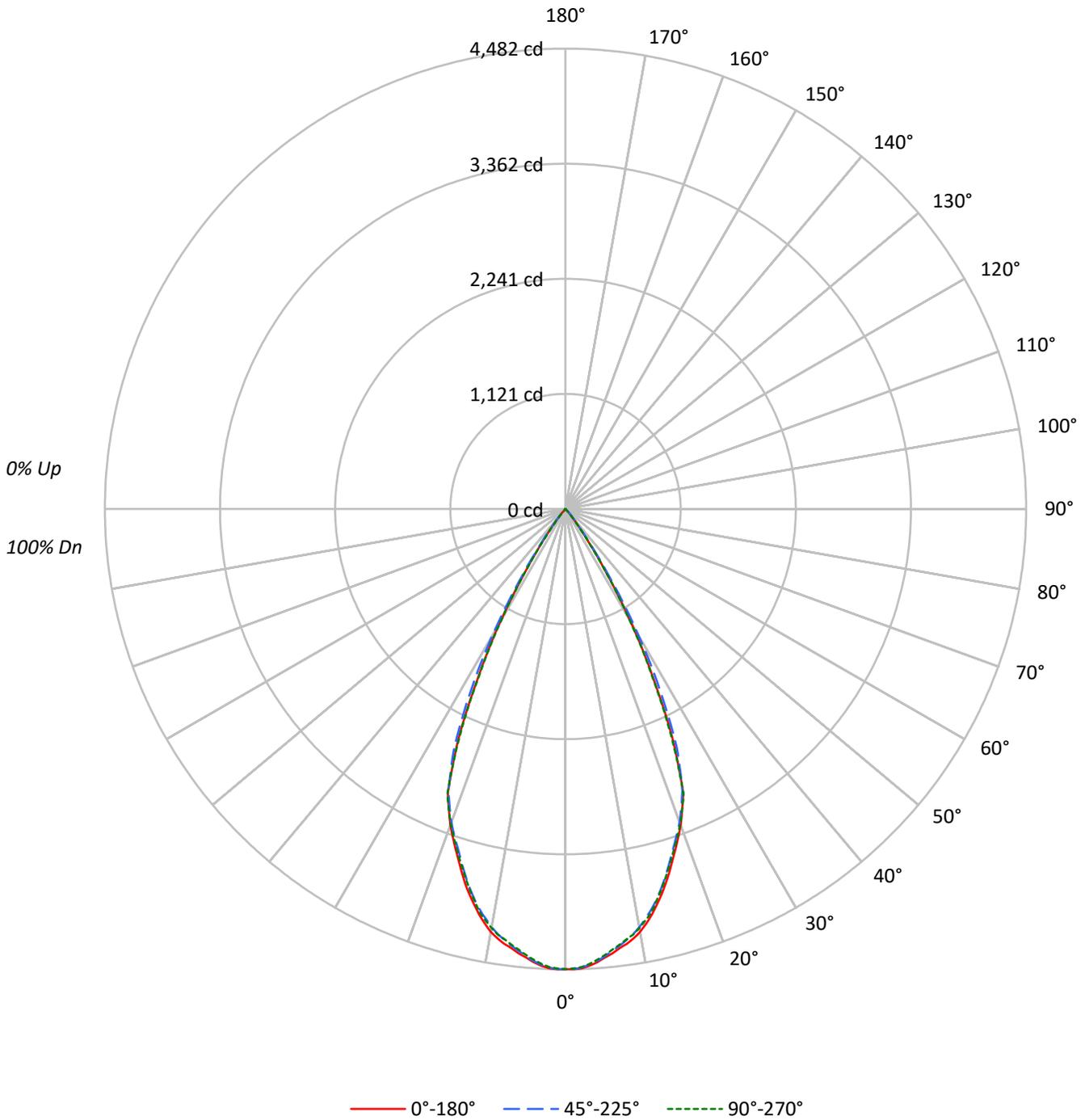
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2885.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 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 (A<sub>in</sub>): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	67	63	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	771592	771592	771592
5°	758116	755972	753845
10°	731154	723214	724665
15°	672594	664142	665979
20°	600612	594931	598340
25°	467447	487038	462335
30°	253216	282747	248701
35°	79830	95010	78106
40°	17626	24595	16704
45°	511	7550	511
50°	0	1099	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: 7550 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.4	14.2
10°-20°	1042.9	36.1
20°-30°	1098.4	38.1
30°-40°	313.7	10.9
40°-50°	19.4	0.7
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°	2551.8	88.4
0°-40°	2865.5	99.3
0°-60°	2885.0	100.0
0°-90°	2885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2885.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4480	4480	4480	4480	4480	
5°	4385	4381	4373	4369	4360	412
15°	3772	3748	3725	3731	3735	1051
25°	2460	2551	2563	2534	2433	1076
35°	380	406	452	384	372	296
45°	2	10	31	10	2	12
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4480.2	4480.2	4480.2	4480.2	4480.2
1°	4482.2	4484.3	4480.2	4484.3	4474.0
2°	4476.0	4471.9	4467.8	4469.8	4463.6
3°	4453.3	4451.3	4443.0	4445.1	4436.8
4°	4424.4	4418.2	4412.1	4407.9	4399.7
5°	4385.2	4381.1	4372.8	4368.7	4360.5
6°	4352.2	4344.0	4329.5	4325.4	4317.1
7°	4308.9	4304.7	4286.2	4282.0	4277.9
8°	4275.9	4263.5	4240.8	4242.8	4232.5
9°	4232.5	4216.0	4193.3	4193.3	4195.4
10°	4180.9	4156.2	4135.5	4141.7	4143.8
11°	4112.8	4096.3	4065.4	4079.8	4079.8
12°	4038.5	4017.9	3995.2	4007.6	4015.8
13°	3951.9	3935.4	3914.7	3927.1	3923.0
14°	3867.3	3836.3	3821.9	3838.4	3832.2
15°	3772.3	3747.6	3724.9	3731.1	3735.2
17.5°	3518.5	3491.7	3475.2	3477.2	3495.8
20°	3277.1	3266.7	3246.1	3254.4	3264.7
22.5°	2992.3	2996.4	2971.6	2977.8	3002.6
25°	2459.9	2550.7	2563.0	2534.1	2433.0
27.5°	1822.2	1958.4	1999.7	1933.6	1809.8
30°	1273.3	1310.4	1421.8	1296.0	1250.6
32.5°	747.0	802.8	862.6	775.9	745.0
35°	379.7	406.5	451.9	383.8	371.5
37.5°	175.4	187.8	206.4	175.4	165.1
40°	78.4	92.9	109.4	88.7	74.3
42.5°	24.8	43.3	57.8	39.2	22.7
45°	2.1	10.3	31.0	10.3	2.1
47.5°	0.0	2.1	12.4	2.1	0.0
50°	0.0	0.0	4.1	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)