

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: P1306223

Luminaire Tested: P3SQAS20R309024D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309024D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

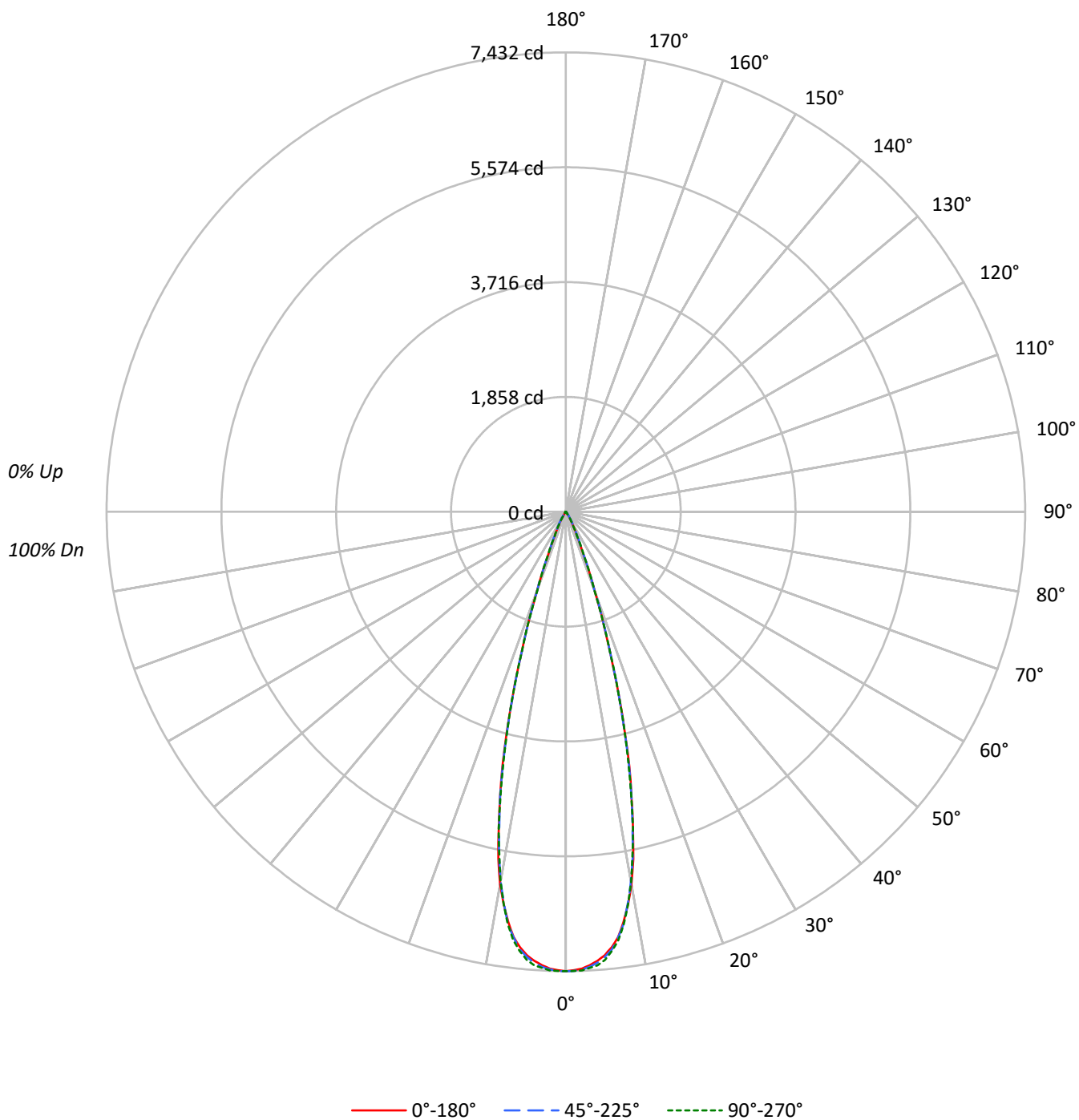
Lumens per Lamp: N/A
Luminaire Lumens: 1933.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1280028	1280028	1280028
5°	1244947	1250358	1258103
10°	1070542	1061413	1062445
15°	657795	652482	653016
20°	250354	250904	246249
25°	79621	83878	79906
30°	32037	39733	32912
35°	10344	17555	10344
40°	4699	7711	4699
45°	1827	3264	1827
50°	804	1608	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.6	33.9
10°-20°	972.6	50.3
20°-30°	241.6	12.5
30°-40°	48.2	2.5
40°-50°	8.8	0.5
50°-60°	2.8	0.1
60°-70°	2.0	0.1
70°-80°	1.4	0.1
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°	1869.8	96.7
0°-40°	1918.1	99.2
0°-60°	1929.6	99.8
0°-90°	1933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7432	7432	7432	7432	7432	
5°	7201	7225	7232	7243	7277	655
15°	3689	3697	3660	3671	3662	976
25°	419	428	441	435	420	235
35°	49	64	84	63	49	40
45°	8	9	13	10	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
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°	7432.4	7432.4	7432.4	7432.4	7432.4
1°	7416.0	7424.9	7430.9	7430.9	7430.9
2°	7395.1	7401.0	7410.0	7411.5	7423.4
3°	7345.9	7359.3	7374.2	7383.1	7389.1
4°	7286.2	7304.1	7313.1	7335.4	7354.8
5°	7201.2	7225.1	7232.5	7243.0	7277.3
6°	7086.4	7104.3	7119.2	7123.7	7144.5
7°	6934.3	6943.2	6940.2	6947.7	6985.0
8°	6703.1	6706.1	6731.5	6715.1	6740.4
9°	6428.8	6416.8	6410.9	6422.8	6424.3
10°	6121.6	6081.3	6069.4	6058.9	6075.3
11°	5723.4	5671.2	5675.7	5672.7	5648.8
12°	5228.3	5222.3	5183.6	5191.0	5226.8
13°	4722.8	4733.2	4725.8	4734.7	4694.4
14°	4248.6	4197.9	4211.3	4160.6	4180.0
15°	3689.3	3696.8	3659.5	3671.4	3662.5
17.5°	2362.1	2378.5	2366.6	2356.2	2372.6
20°	1366.0	1364.5	1369.0	1355.5	1343.6
22.5°	718.8	729.2	742.6	744.1	753.1
25°	419.0	428.0	441.4	435.4	420.5
27.5°	256.5	272.9	293.8	278.9	261.0
30°	161.1	174.5	199.8	176.0	165.5
32.5°	91.0	110.4	131.2	110.4	91.0
35°	49.2	64.1	83.5	62.6	49.2
37.5°	32.8	37.3	55.2	37.3	32.8
40°	20.9	25.4	34.3	25.4	20.9
42.5°	11.9	16.4	19.4	16.4	11.9
45°	7.5	8.9	13.4	10.4	7.5
47.5°	3.0	4.5	8.9	4.5	4.5
50°	3.0	3.0	6.0	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
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)