

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: P1307324

Luminaire Tested: P3SQAS24R259027D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259027D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

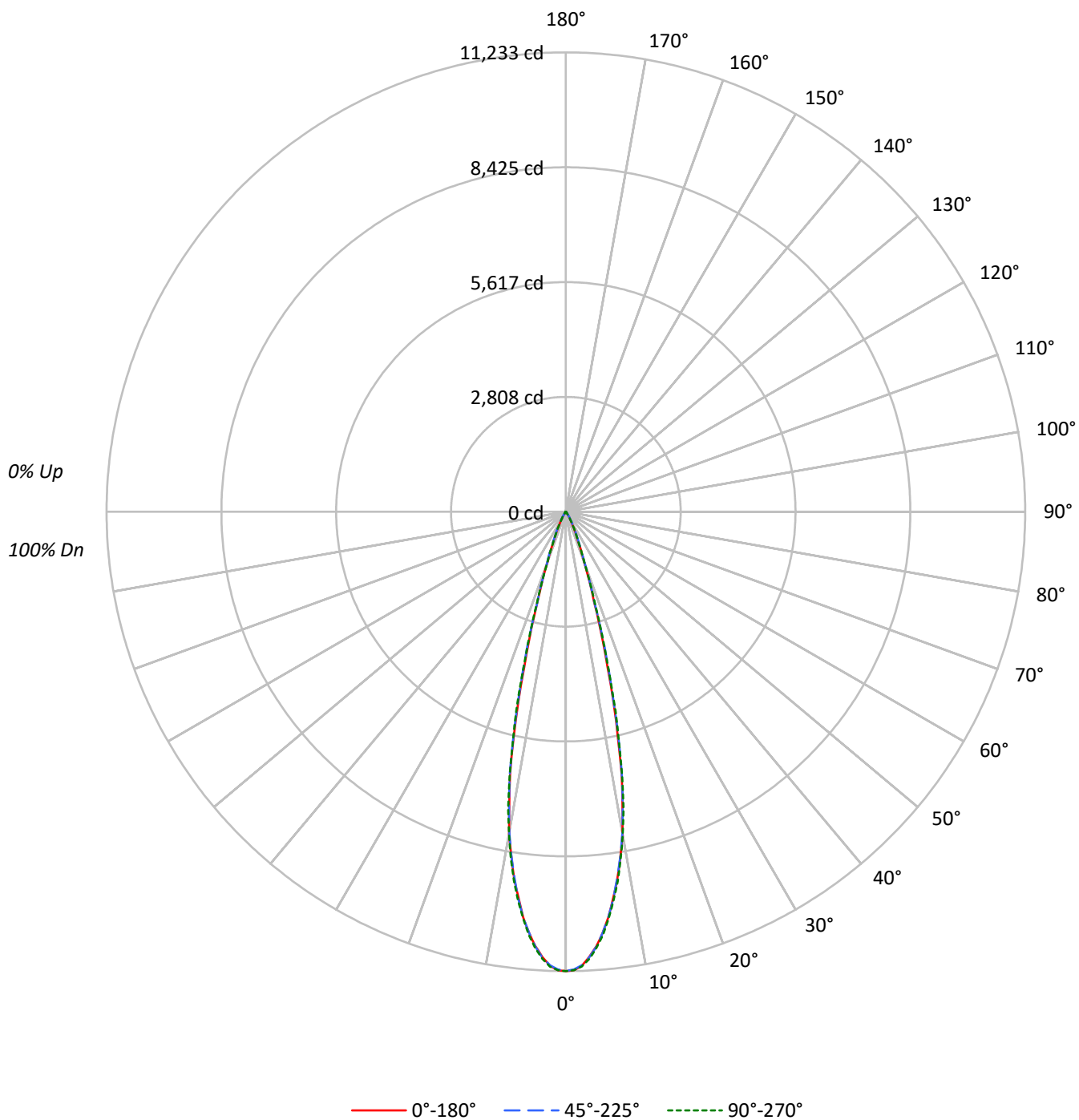
Lumens per Lamp: N/A
Luminaire Lumens: 2372.9 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1934560	1934560	1934560
5°	1786893	1786253	1796263
10°	1395818	1392023	1401519
15°	702209	731539	730897
20°	240274	246890	242913
25°	96553	108581	100676
30°	39196	46753	38123
35°	11395	20520	11395
40°	5283	8948	5283
45°	1754	3532	1754
50°	965	1447	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	1785	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.3	38.4
10°-20°	1115.4	47.0
20°-30°	272.5	11.5
30°-40°	56.3	2.4
40°-50°	9.8	0.4
50°-60°	3.3	0.1
60°-70°	2.6	0.1
70°-80°	1.7	0.1
80°-90°	0.1	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°	2299.2	96.9
0°-40°	2355.5	99.3
0°-60°	2368.6	99.8
0°-90°	2372.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2372.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11233	11233	11233	11233	11233	
5°	10336	10345	10332	10354	10390	910
15°	3938	4005	4103	4121	4099	1100
25°	508	532	571	539	530	260
35°	54	76	98	74	54	46
45°	7	11	14	11	7	7
55°	4	4	4	4	4	3
65°	2	4	2	2	2	2
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°	11232.9	11232.9	11232.9	11232.9	11232.9
1°	11211.2	11196.7	11193.1	11194.9	11213.0
2°	11109.9	11100.9	11099.0	11104.5	11129.8
3°	10903.8	10914.6	10918.2	10936.3	10949.0
4°	10650.6	10672.3	10663.3	10685.0	10699.4
5°	10336.0	10345.0	10332.3	10354.0	10390.2
6°	9968.9	9936.3	9967.1	9976.1	10001.4
7°	9511.4	9518.6	9529.5	9540.3	9578.3
8°	9061.1	9039.4	9034.0	9084.7	9115.4
9°	8534.9	8538.6	8518.7	8576.5	8585.6
10°	7981.6	7936.4	7959.9	8005.1	8014.2
11°	7251.1	7238.4	7272.8	7343.3	7399.4
12°	6565.8	6573.0	6609.2	6632.7	6620.0
13°	5659.8	5714.1	5759.3	5782.8	5752.0
14°	4840.7	4840.7	4898.6	4907.6	5017.9
15°	3938.4	4005.3	4102.9	4121.0	4099.3
17.5°	2274.8	2283.8	2330.8	2329.0	2363.4
20°	1311.0	1323.6	1347.1	1341.7	1325.4
22.5°	788.4	815.5	871.6	826.4	813.7
25°	508.1	531.6	571.4	538.9	529.8
27.5°	318.3	334.5	365.3	336.3	321.9
30°	197.1	206.1	235.1	207.9	191.7
32.5°	106.7	130.2	153.7	130.2	106.7
35°	54.2	75.9	97.6	74.1	54.2
37.5°	36.2	43.4	63.3	41.6	36.2
40°	23.5	28.9	39.8	28.9	23.5
42.5°	12.7	18.1	21.7	19.9	12.7
45°	7.2	10.8	14.5	10.8	7.2
47.5°	5.4	5.4	9.0	5.4	3.6
50°	3.6	3.6	5.4	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	3.6	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	1.8	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)