

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: P1310678

Luminaire Tested: P3SQAS24R259040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310678
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: P3SQAS24R259040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

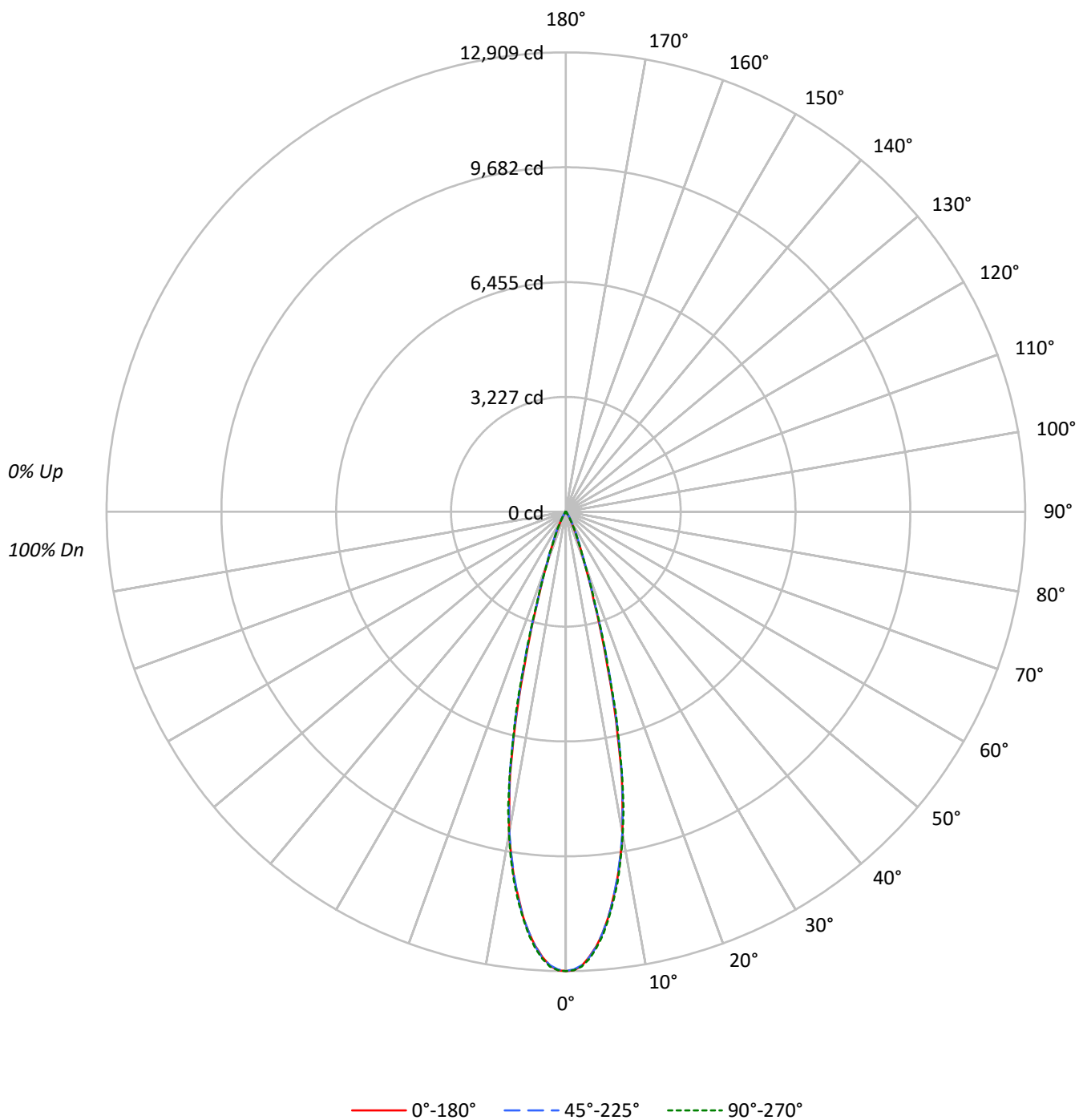
Lumens per Lamp: N/A
Luminaire Lumens: 2727.1 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2223153	2223153	2223153
5°	2053457	2052731	2064228
10°	1604047	1599692	1610587
15°	806959	840675	839926
20°	276123	283729	279165
25°	110957	124772	115707
30°	45043	53714	43810
35°	13098	23589	13098
40°	6070	10274	6070
45°	2022	4043	2022
50°	1125	1661	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	856	856	856
70°	1057	1057	1057
75°	1397	1397	1397
80°	0	2083	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.2	38.4
10°-20°	1281.8	47.0
20°-30°	313.1	11.5
30°-40°	64.7	2.4
40°-50°	11.3	0.4
50°-60°	3.8	0.1
60°-70°	3.0	0.1
70°-80°	2.0	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°	2642.2	96.9
0°-40°	2706.9	99.3
0°-60°	2722.0	99.8
0°-90°	2727.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2727.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12909	12909	12909	12909	12909	
5°	11878	11888	11874	11899	11940	1046
15°	4526	4603	4715	4736	4711	1264
25°	584	611	657	619	609	299
35°	62	87	112	85	62	53
45°	8	12	17	12	8	8
55°	4	4	4	4	4	4
65°	2	4	2	2	2	3
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°	12908.6	12908.6	12908.6	12908.6	12908.6
1°	12883.6	12867.0	12862.8	12864.9	12885.7
2°	12767.2	12756.9	12754.8	12761.0	12790.1
3°	12530.4	12542.8	12547.0	12567.8	12582.3
4°	12239.4	12264.4	12254.0	12278.9	12295.5
5°	11877.9	11888.3	11873.7	11898.6	11940.2
6°	11456.0	11418.6	11453.9	11464.3	11493.4
7°	10930.3	10938.6	10951.1	10963.5	11007.2
8°	10412.9	10387.9	10381.7	10439.9	10475.2
9°	9808.2	9812.3	9789.5	9856.0	9866.4
10°	9172.3	9120.4	9147.4	9199.3	9209.7
11°	8332.8	8318.2	8357.7	8438.8	8503.2
12°	7545.2	7553.5	7595.1	7622.1	7607.6
13°	6504.1	6566.5	6618.4	6645.5	6610.1
14°	5562.8	5562.8	5629.3	5639.7	5766.5
15°	4525.9	4602.8	4715.0	4735.8	4710.8
17.5°	2614.1	2624.5	2678.5	2676.5	2715.9
20°	1506.6	1521.1	1548.1	1541.9	1523.2
22.5°	906.0	937.2	1001.6	949.6	935.1
25°	583.9	610.9	656.6	619.2	608.9
27.5°	365.7	384.4	419.8	386.5	369.9
30°	226.5	236.9	270.1	239.0	220.3
32.5°	122.6	149.6	176.6	149.6	122.6
35°	62.3	87.3	112.2	85.2	62.3
37.5°	41.6	49.9	72.7	47.8	41.6
40°	27.0	33.2	45.7	33.2	27.0
42.5°	14.5	20.8	24.9	22.9	14.5
45°	8.3	12.5	16.6	12.5	8.3
47.5°	6.2	6.2	10.4	6.2	4.2
50°	4.2	4.2	6.2	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	2.1	4.2	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	0.0	0.0	2.1	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)