

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: P1311722

Luminaire Tested: P3SQAS24R159050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

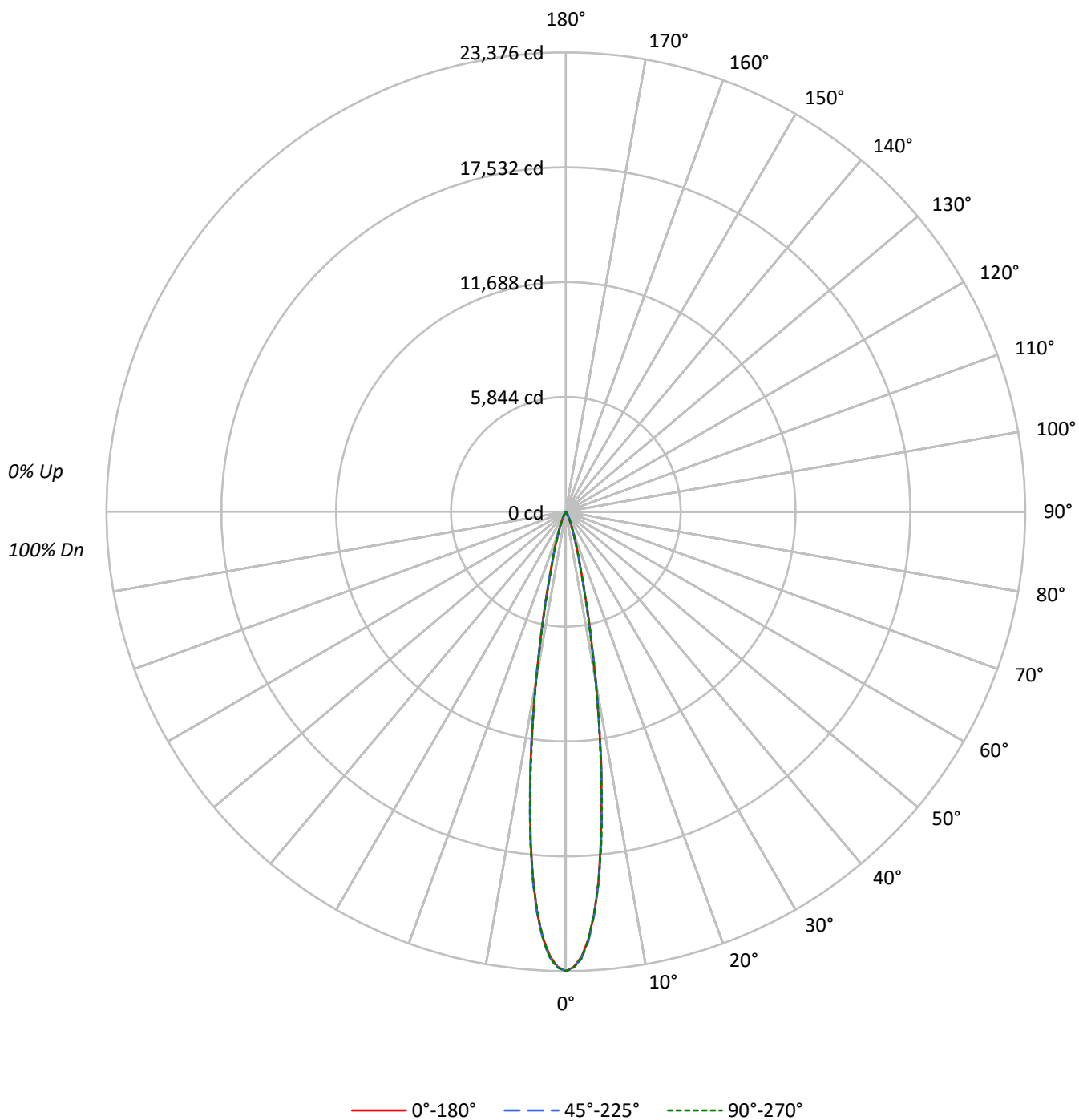
Lumens per Lamp: N/A
Luminaire Lumens: 2609.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4025963	4025963	4025963
5°	3277883	3288585	3282171
10°	1529058	1542769	1523287
15°	480157	484204	481262
20°	190240	197809	184192
25°	76866	92942	74110
30°	30784	42279	29134
35°	9104	18649	8683
40°	2788	6969	2316
45°	511	1510	511
50°	0	563	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: 1510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1463.6	56.1
10°-20°	875.3	33.6
20°-30°	220.8	8.5
30°-40°	45.1	1.7
40°-50°	4.2	0.2
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°	2559.7	98.1
0°-40°	2604.8	99.8
0°-60°	2609.0	100.0
0°-90°	2609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23376	23376	23376	23376	23376	
5°	18960	18925	19022	18975	18985	1459
15°	2693	2716	2716	2676	2699	876
25°	404	442	489	433	390	208
35°	43	58	89	56	41	36
45°	2	4	6	4	2	2
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°	23376.5	23376.5	23376.5	23376.5	23376.5
1°	23166.1	23244.5	23203.2	23236.2	23199.1
2°	22664.6	22769.8	22736.8	22726.5	22755.4
3°	21781.4	21903.1	21899.0	21868.0	21818.5
4°	20576.2	20526.7	20603.1	20594.8	20510.2
5°	18960.4	18925.3	19022.3	18974.9	18985.2
6°	16983.5	17136.2	17103.2	17107.3	17146.5
7°	14860.0	14942.6	15012.7	15070.5	14990.0
8°	12909.9	12889.3	12895.5	12961.5	12738.6
9°	10726.6	10854.6	10772.0	10640.0	10724.6
10°	8743.5	8821.9	8821.9	8706.4	8710.5
11°	6970.9	7034.8	6989.4	7018.3	6836.7
12°	5619.2	5460.3	5423.2	5452.1	5450.0
13°	4290.2	4300.6	4290.2	4288.2	4267.5
14°	3363.7	3417.3	3394.6	3338.9	3314.2
15°	2693.0	2715.7	2715.7	2676.5	2699.2
17.5°	1617.9	1644.7	1650.9	1624.1	1624.1
20°	1038.0	1050.4	1079.3	1040.1	1005.0
22.5°	639.7	666.5	716.1	658.3	629.4
25°	404.5	441.6	489.1	433.4	390.0
27.5°	253.8	284.8	326.0	272.4	245.6
30°	154.8	175.4	212.6	171.3	146.5
32.5°	86.7	103.2	134.1	99.1	82.5
35°	43.3	57.8	88.7	55.7	41.3
37.5°	24.8	31.0	55.7	26.8	22.7
40°	12.4	16.5	31.0	16.5	10.3
42.5°	4.1	8.3	12.4	8.3	4.1
45°	2.1	4.1	6.2	4.1	2.1
47.5°	0.0	0.0	2.1	0.0	0.0
50°	0.0	0.0	2.1	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)