

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: P1311804

Luminaire Tested: P3SQAS24R409050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

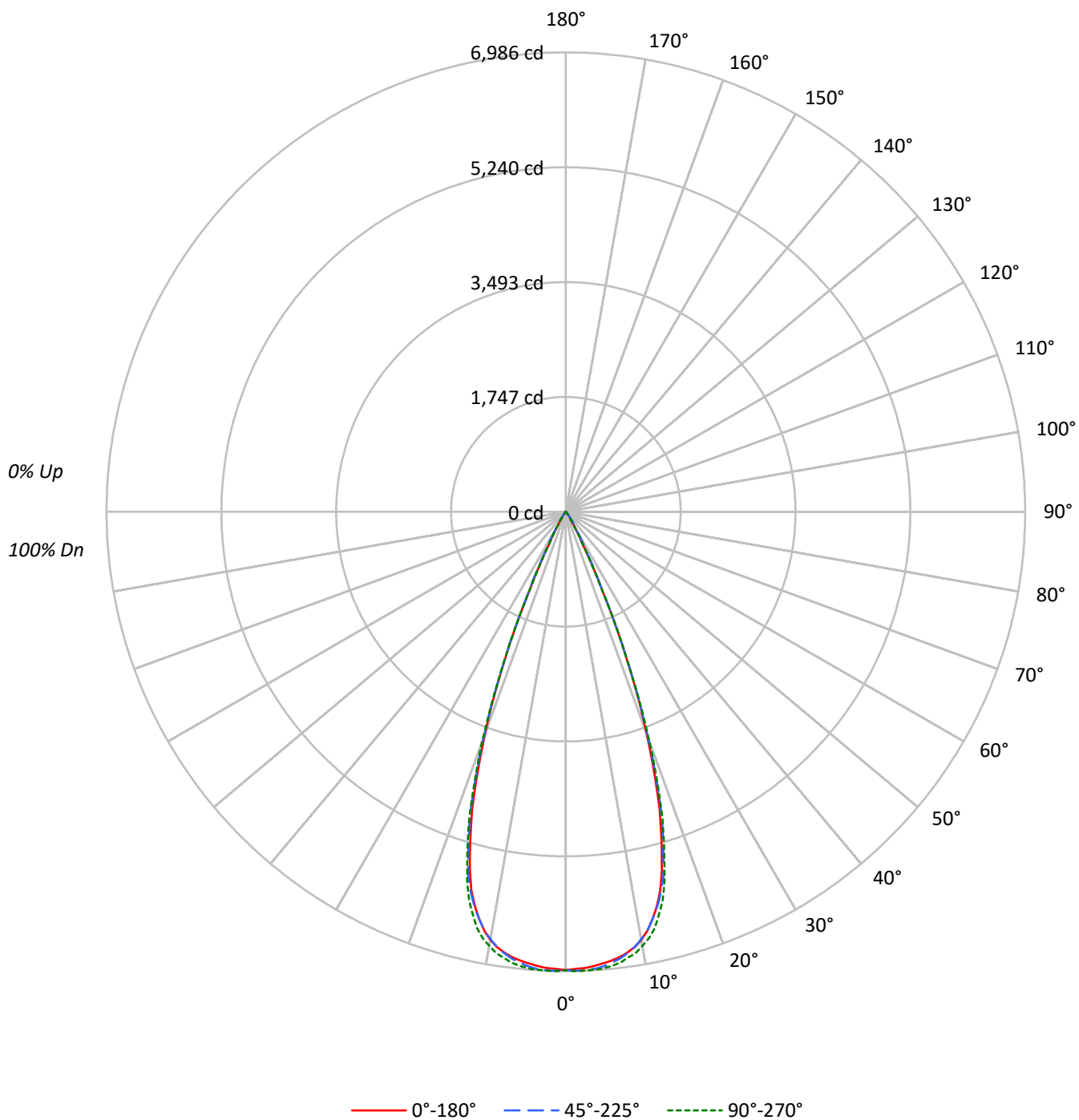
Lumens per Lamp: N/A
Luminaire Lumens: 2931.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1200392	1200392	1200392
5°	1189988	1197491	1203196
10°	1156111	1153942	1171990
15°	1005743	1021933	1034449
20°	660085	672951	681657
25°	235329	249049	234151
30°	51307	69364	51725
35°	16483	28635	16063
40°	5103	8813	4631
45°	511	3020	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: 3020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.8	22.2
10°-20°	1518.0	51.8
20°-30°	680.8	23.2
30°-40°	73.5	2.5
40°-50°	6.8	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°	2850.6	97.3
0°-40°	2924.1	99.8
0°-60°	2931.0	100.0
0°-90°	2931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6970	6970	6970	6970	6970	
5°	6883	6902	6927	6937	6960	649
15°	5641	5682	5732	5765	5802	1499
25°	1238	1276	1311	1333	1232	661
35°	78	91	136	89	76	61
45°	2	4	12	4	2	4
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6970.0	6970.0	6970.0	6970.0	6970.0
1°	6955.5	6970.0	6982.4	6972.1	6986.5
2°	6949.4	6965.9	6984.4	6974.1	6986.5
3°	6932.8	6953.5	6974.1	6967.9	6980.3
4°	6910.1	6926.7	6957.6	6957.6	6976.2
5°	6883.3	6901.9	6926.7	6937.0	6959.7
6°	6854.4	6864.7	6883.3	6904.0	6934.9
7°	6817.3	6817.3	6840.0	6860.6	6901.9
8°	6765.7	6761.5	6778.0	6804.9	6842.0
9°	6701.7	6687.2	6699.6	6738.8	6794.6
10°	6610.9	6598.5	6598.5	6648.0	6701.7
11°	6493.2	6489.1	6491.2	6538.6	6610.9
12°	6334.3	6338.4	6338.4	6392.1	6480.8
13°	6154.7	6152.7	6171.2	6231.1	6291.0
14°	5936.0	5948.3	5966.9	6020.6	6082.5
15°	5640.8	5682.1	5731.6	5764.6	5801.8
17.5°	4743.0	4784.3	4852.4	4879.2	4887.5
20°	3601.6	3661.5	3671.8	3725.5	3719.3
22.5°	2414.8	2410.7	2419.0	2425.2	2427.2
25°	1238.4	1275.5	1310.6	1333.3	1232.2
27.5°	538.7	602.7	648.1	588.2	544.9
30°	258.0	293.1	348.8	295.1	260.1
32.5°	140.3	163.1	220.8	161.0	138.3
35°	78.4	90.8	136.2	88.8	76.4
37.5°	45.4	49.5	74.3	49.5	43.3
40°	22.7	28.9	39.2	28.9	20.6
42.5°	8.3	14.4	20.6	14.4	8.3
45°	2.1	4.1	12.4	4.1	2.1
47.5°	0.0	0.0	6.2	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)