

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: P1311724

Luminaire Tested: P3SQAS24R159050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

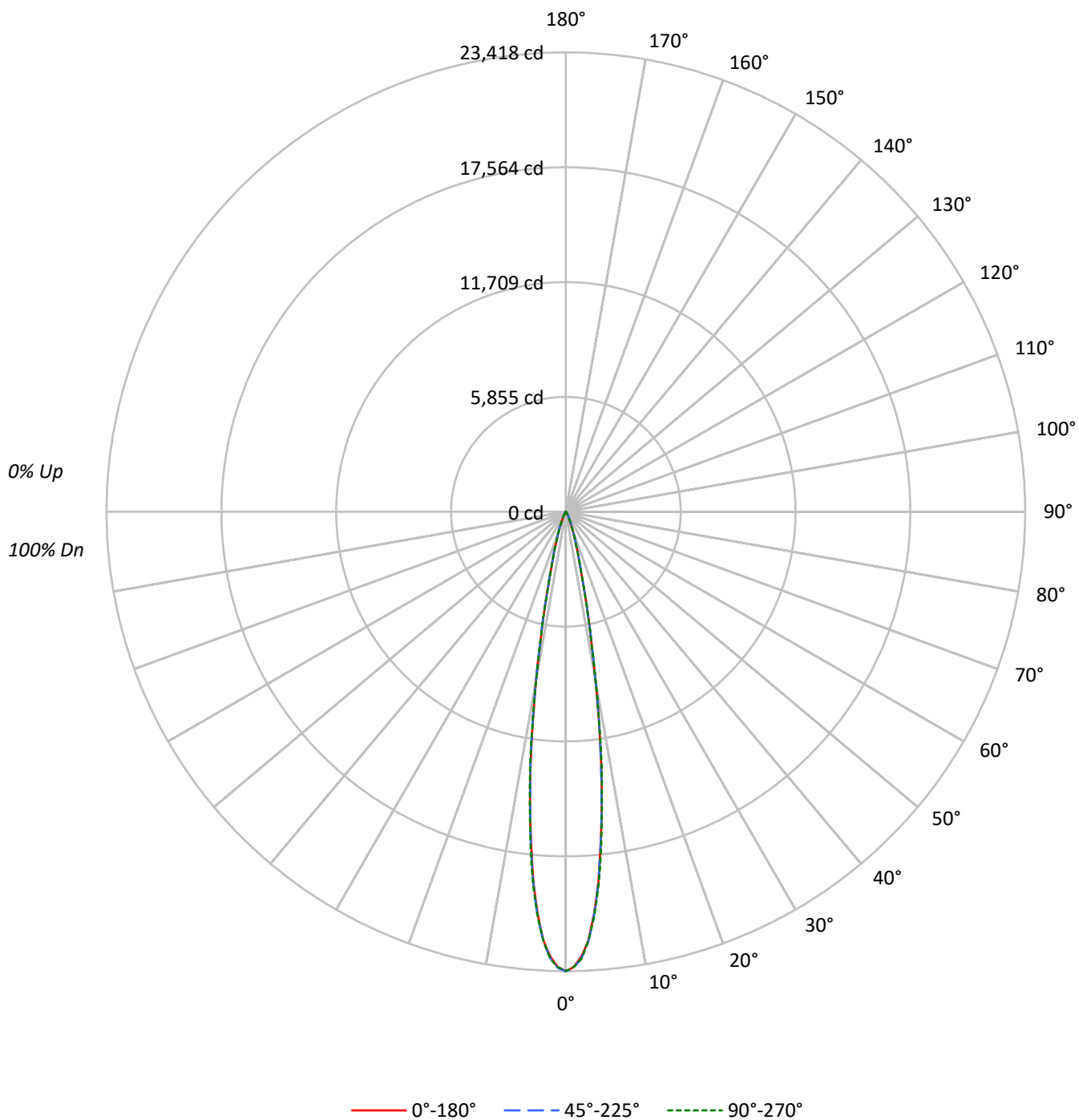
Lumens per Lamp: N/A
Luminaire Lumens: 2629.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4033196	4033196	4033196
5°	3279560	3290988	3302398
10°	1527345	1528779	1520489
15°	472561	489499	480299
20°	188407	199001	186135
25°	78842	92961	74928
30°	32017	42696	29551
35°	10407	19532	9545
40°	3710	7891	3710
45°	1510	2509	1510
50°	1099	1661	1099
55°	1231	1231	1231
60°	1412	1412	1412
65°	856	856	856
70°	1057	1057	1057
75°	1397	1397	1397
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.9	55.8
10°-20°	876.4	33.3
20°-30°	223.0	8.5
30°-40°	48.5	1.8
40°-50°	7.8	0.3
50°-60°	3.7	0.1
60°-70°	2.3	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°	2565.3	97.6
0°-40°	2613.8	99.4
0°-60°	2625.3	99.9
0°-90°	2629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23418	23418	23418	23418	23418	
5°	18970	18997	19036	18950	19102	1463
15°	2650	2725	2745	2706	2694	872
25°	415	444	489	434	394	211
35°	50	64	93	62	45	39
45°	6	8	10	8	6	6
55°	4	4	4	4	4	4
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°	23418.5	23418.5	23418.5	23418.5	23418.5
1°	23214.1	23253.3	23259.5	23253.3	23220.3
2°	22691.9	22807.5	22782.7	22733.2	22803.3
3°	21884.8	21942.6	21934.3	21938.4	21921.9
4°	20571.9	20673.1	20615.3	20658.6	20662.8
5°	18970.1	18996.9	19036.2	18949.5	19102.2
6°	16998.8	17170.1	17019.4	17168.0	17227.9
7°	14994.4	15093.5	14901.5	15004.8	15066.7
8°	12944.7	12771.3	12876.6	12878.6	13083.0
9°	10731.8	10766.9	10855.7	10754.5	10843.3
10°	8733.7	8814.2	8741.9	8706.8	8694.5
11°	6896.5	6987.4	6981.2	6991.5	6923.4
12°	5548.6	5501.1	5532.1	5430.9	5476.4
13°	4318.3	4320.4	4295.6	4254.3	4217.2
14°	3383.2	3362.6	3420.4	3368.8	3321.3
15°	2650.4	2724.8	2745.4	2706.2	2693.8
17.5°	1634.9	1636.9	1665.8	1628.7	1624.5
20°	1028.0	1052.7	1085.8	1046.6	1015.6
22.5°	650.2	672.9	724.5	675.0	631.6
25°	414.9	443.8	489.2	433.5	394.3
27.5°	260.1	286.9	330.3	278.7	249.8
30°	161.0	179.6	214.7	175.5	148.6
32.5°	92.9	111.5	140.4	105.3	88.8
35°	49.5	64.0	92.9	61.9	45.4
37.5°	28.9	37.2	59.9	33.0	26.8
40°	16.5	22.7	35.1	20.6	16.5
42.5°	10.3	14.4	16.5	12.4	8.3
45°	6.2	8.3	10.3	8.3	6.2
47.5°	4.1	6.2	8.3	4.1	4.1
50°	4.1	4.1	6.2	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	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°	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)