

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: P1309529

Luminaire Tested: P3SQAS24R159035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309529
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: P3SQAS24R159035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

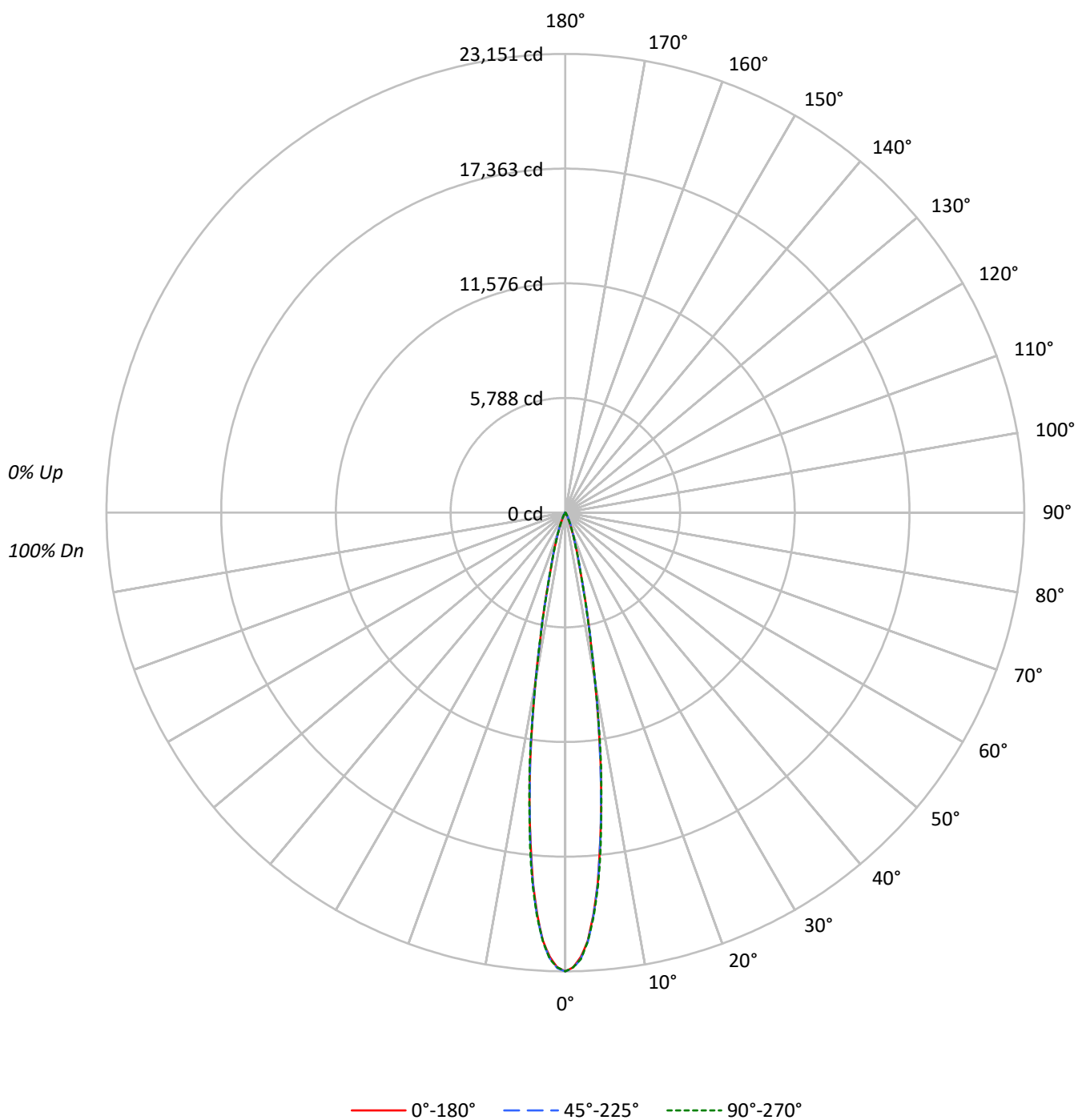
Lumens per Lamp: N/A
Luminaire Lumens: 2599.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	3987161	3987161	3987161
5°	3242132	3253421	3264710
10°	1509909	1511343	1503124
15°	467176	483919	474825
20°	186245	196728	184009
25°	77949	91897	74072
30°	31659	42199	29213
35°	10302	19300	9440
40°	3665	7801	3665
45°	1486	2484	1486
50°	1099	1634	1099
55°	1231	1231	1231
60°	1412	1412	1412
65°	815	815	815
70°	1007	1007	1007
75°	1331	1331	1331
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1449.1	55.8
10°-20°	866.4	33.3
20°-30°	220.5	8.5
30°-40°	47.9	1.8
40°-50°	7.7	0.3
50°-60°	3.7	0.1
60°-70°	2.2	0.1
70°-80°	1.3	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°	2536.1	97.6
0°-40°	2584.0	99.4
0°-60°	2595.4	99.9
0°-90°	2599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23151	23151	23151	23151	23151	
5°	18754	18780	18819	18733	18884	1446
15°	2620	2694	2714	2675	2663	862
25°	410	439	484	428	390	208
35°	49	63	92	61	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°	23151.2	23151.2	23151.2	23151.2	23151.2
1°	22949.2	22988.0	22994.1	22988.0	22955.3
2°	22432.9	22547.2	22522.7	22473.7	22543.1
3°	21635.0	21692.2	21684.0	21688.1	21671.8
4°	20337.2	20437.2	20380.0	20422.9	20427.0
5°	18753.6	18780.2	18818.9	18733.2	18884.2
6°	16804.8	16974.2	16825.2	16972.1	17031.3
7°	14823.3	14921.3	14731.5	14833.5	14894.8
8°	12797.0	12625.5	12729.6	12731.7	12933.7
9°	10609.4	10644.1	10731.8	10631.8	10719.6
10°	8634.0	8713.6	8642.2	8607.5	8595.2
11°	6817.8	6907.6	6901.5	6911.7	6844.4
12°	5485.3	5438.3	5469.0	5369.0	5413.9
13°	4269.1	4271.1	4246.6	4205.8	4169.1
14°	3344.6	3324.2	3381.4	3330.4	3283.4
15°	2620.2	2693.7	2714.1	2675.3	2663.1
17.5°	1616.2	1618.2	1646.8	1610.1	1606.0
20°	1016.2	1040.7	1073.4	1034.6	1004.0
22.5°	642.8	665.3	716.3	667.3	624.4
25°	410.2	438.7	483.6	428.5	389.8
27.5°	257.1	283.7	326.5	275.5	246.9
30°	159.2	177.5	212.2	173.5	146.9
32.5°	91.8	110.2	138.8	104.1	87.7
35°	49.0	63.3	91.8	61.2	44.9
37.5°	28.6	36.7	59.2	32.7	26.5
40°	16.3	22.4	34.7	20.4	16.3
42.5°	10.2	14.3	16.3	12.2	8.2
45°	6.1	8.2	10.2	8.2	6.1
47.5°	4.1	6.1	8.2	4.1	4.1
50°	4.1	4.1	6.1	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°	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0
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)