

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: P1310647

Luminaire Tested: P3SQAS24R159040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310647
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: P3SQAS24R159040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

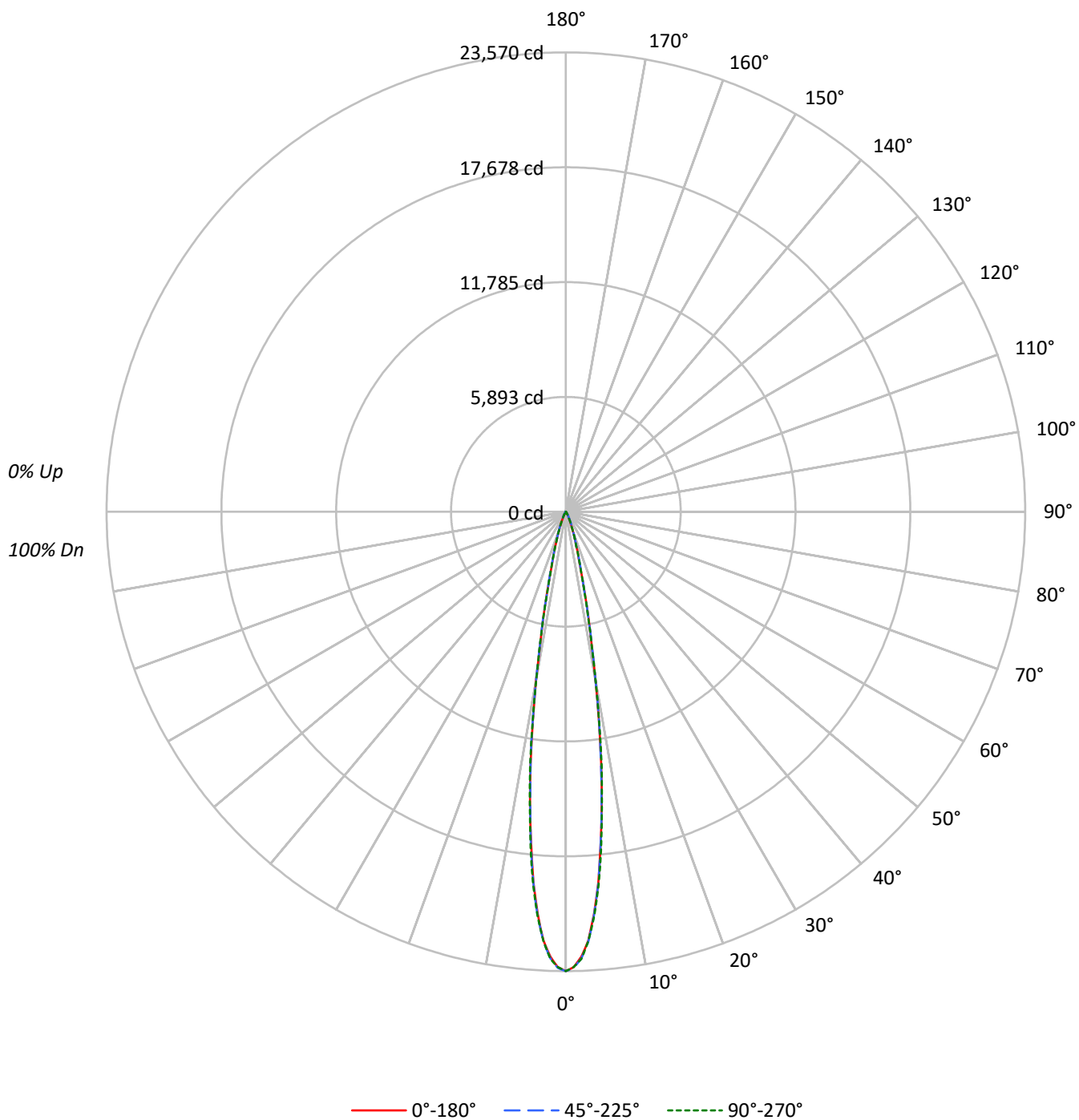
Lumens per Lamp: N/A
Luminaire Lumens: 2646.1 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101	100	99	98
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4059270	4059270	4059270
5°	3300773	3312269	3323749
10°	1537225	1538677	1530318
15°	475628	492673	483402
20°	189617	200283	187344
25°	79355	93569	75403
30°	32216	42975	29750
35°	10491	19658	9608
40°	3732	7936	3732
45°	1510	2533	1510
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	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1475.3	55.8
10°-20°	882.1	33.3
20°-30°	224.5	8.5
30°-40°	48.8	1.8
40°-50°	7.9	0.3
50°-60°	3.8	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°	2581.9	97.6
0°-40°	2630.7	99.4
0°-60°	2642.4	99.9
0°-90°	2646.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23570	23570	23570	23570	23570	
5°	19093	19120	19159	19072	19226	1472
15°	2668	2742	2763	2724	2711	878
25°	418	447	492	436	397	212
35°	50	64	94	62	46	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°	23569.9	23569.9	23569.9	23569.9	23569.9
1°	23364.2	23403.7	23409.9	23403.7	23370.5
2°	22838.6	22955.0	22930.0	22880.2	22950.8
3°	22026.3	22084.5	22076.1	22080.3	22063.7
4°	20705.0	20806.8	20748.6	20792.2	20796.4
5°	19092.8	19119.8	19159.3	19072.0	19225.7
6°	17108.7	17281.1	17129.5	17279.1	17339.3
7°	15091.4	15191.1	14997.9	15101.8	15164.1
8°	13028.4	12853.9	12959.8	12961.9	13167.6
9°	10801.2	10836.5	10925.9	10824.1	10913.4
10°	8790.2	8871.2	8798.5	8763.1	8750.7
11°	6941.1	7032.5	7026.3	7036.7	6968.1
12°	5584.5	5536.7	5567.9	5466.1	5511.8
13°	4346.3	4348.3	4323.4	4281.8	4244.5
14°	3405.1	3384.3	3442.5	3390.6	3342.8
15°	2667.6	2742.4	2763.2	2723.7	2711.2
17.5°	1645.4	1647.5	1676.6	1639.2	1635.0
20°	1034.6	1059.6	1092.8	1053.3	1022.2
22.5°	654.4	677.3	729.2	679.4	635.7
25°	417.6	446.7	492.4	436.3	396.8
27.5°	261.8	288.8	332.4	280.5	251.4
30°	162.0	180.7	216.1	176.6	149.6
32.5°	93.5	112.2	141.3	106.0	89.3
35°	49.9	64.4	93.5	62.3	45.7
37.5°	29.1	37.4	60.2	33.2	27.0
40°	16.6	22.9	35.3	20.8	16.6
42.5°	10.4	14.5	16.6	12.5	8.3
45°	6.2	8.3	10.4	8.3	6.2
47.5°	4.2	6.2	8.3	4.2	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°	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)