

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: P1310646

Luminaire Tested: P3SQAS24R159040D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310646
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: P3SQAS24R159040D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

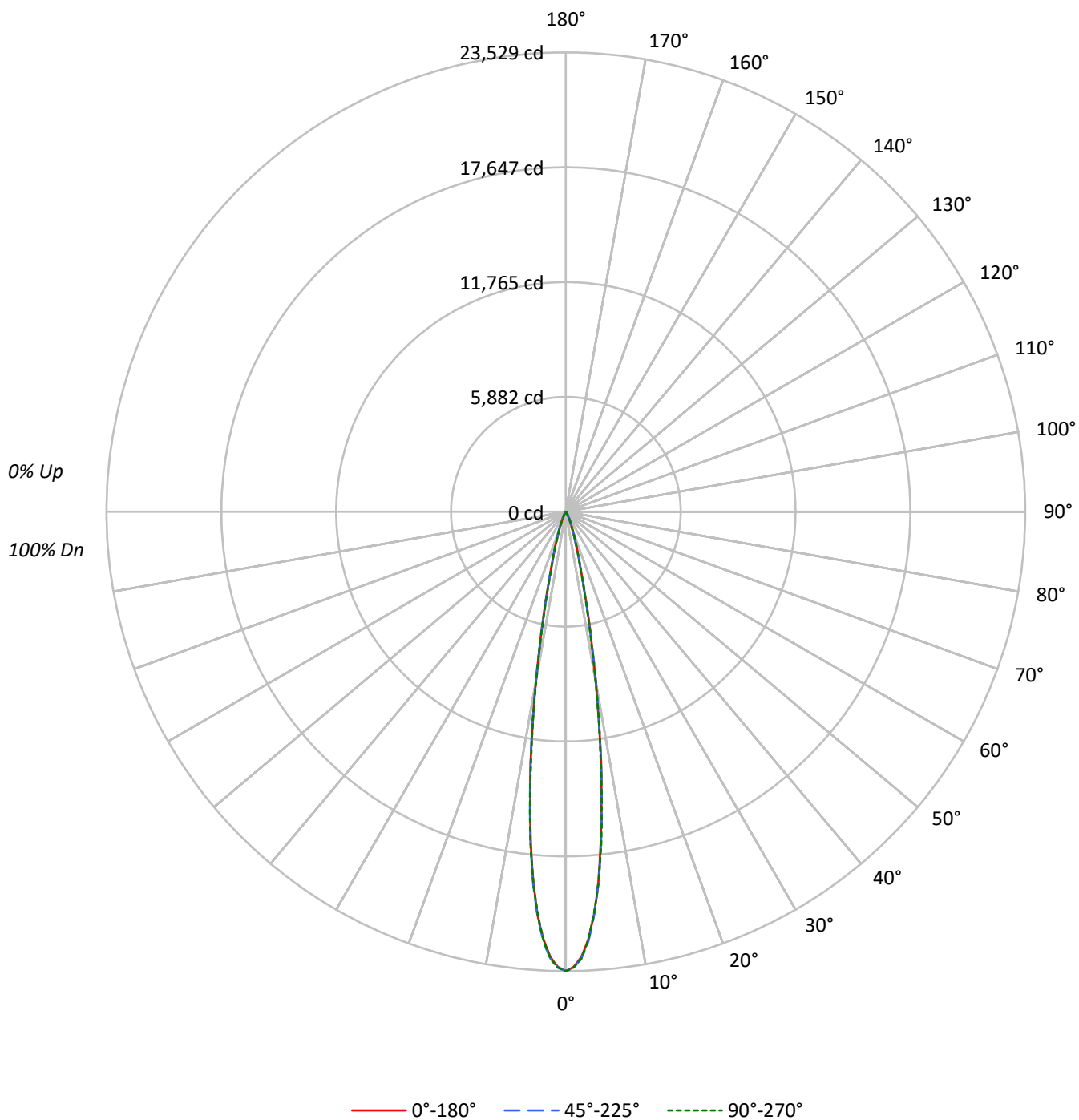
Lumens per Lamp: N/A
Luminaire Lumens: 2626.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4052209	4052209	4052209
5°	3299252	3310022	3303556
10°	1539027	1552825	1533203
15°	483295	487360	484400
20°	191486	199092	185383
25°	77360	93550	74604
30°	30983	42537	29333
35°	9167	18775	8725
40°	2810	7014	2338
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°	1473.1	56.1
10°-20°	881.0	33.6
20°-30°	222.2	8.5
30°-40°	45.4	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°	2576.4	98.1
0°-40°	2621.7	99.8
0°-60°	2626.0	100.0
0°-90°	2626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23529	23529	23529	23529	23529	
5°	19084	19049	19146	19098	19109	1469
15°	2711	2733	2733	2694	2717	881
25°	407	444	492	436	393	209
35°	44	58	89	56	42	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23528.9	23528.9	23528.9	23528.9	23528.9
1°	23317.0	23395.9	23354.4	23387.6	23350.2
2°	22812.3	22918.2	22885.0	22874.6	22903.7
3°	21923.3	22045.8	22041.7	22010.5	21960.7
4°	20710.3	20660.5	20737.3	20729.0	20643.8
5°	19084.0	19048.7	19146.3	19098.5	19108.9
6°	17094.2	17247.9	17214.6	17218.8	17258.2
7°	14956.9	15039.9	15110.6	15168.7	15087.7
8°	12994.0	12973.3	12979.5	13046.0	12821.7
9°	10796.5	10925.3	10842.2	10709.3	10794.4
10°	8800.5	8879.4	8879.4	8763.1	8767.2
11°	7016.3	7080.7	7035.0	7064.1	6881.3
12°	5655.8	5495.9	5458.5	5487.6	5485.5
13°	4318.2	4328.6	4318.2	4316.1	4295.3
14°	3385.6	3439.6	3416.8	3360.7	3335.7
15°	2710.6	2733.4	2733.4	2693.9	2716.8
17.5°	1628.4	1655.4	1661.6	1634.6	1634.6
20°	1044.8	1057.2	1086.3	1046.8	1011.5
22.5°	643.9	670.9	720.7	662.6	633.5
25°	407.1	444.5	492.3	436.2	392.6
27.5°	255.5	286.6	328.2	274.2	247.2
30°	155.8	176.5	213.9	172.4	147.5
32.5°	87.2	103.9	135.0	99.7	83.1
35°	43.6	58.2	89.3	56.1	41.5
37.5°	24.9	31.2	56.1	27.0	22.8
40°	12.5	16.6	31.2	16.6	10.4
42.5°	4.2	8.3	12.5	8.3	4.2
45°	2.1	4.2	6.2	4.2	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)