

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: P1309560

Luminaire Tested: P3SQAS24R259035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

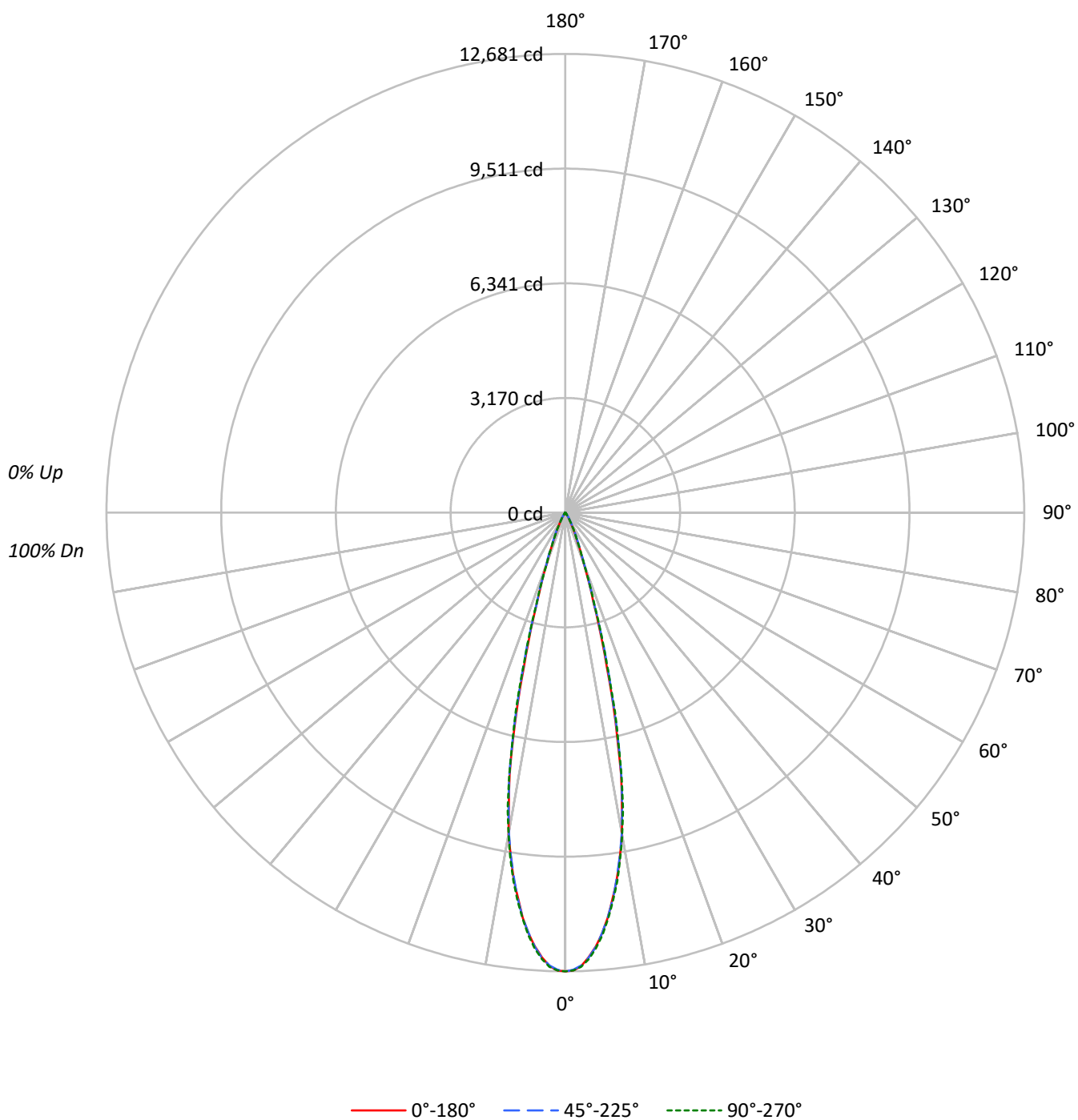
Lumens per Lamp: N/A
Luminaire Lumens: 2678.9 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2184007	2184007	2184007
5°	2017308	2016599	2027888
10°	1575821	1571537	1582239
15°	792749	825876	825145
20°	271248	278744	274253
25°	108999	122586	113655
30°	44248	52779	43035
35°	12867	23169	12867
40°	5958	10094	5958
45°	1997	3970	1997
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	1984	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1028.8	38.4
10°-20°	1259.2	47.0
20°-30°	307.6	11.5
30°-40°	63.6	2.4
40°-50°	11.1	0.4
50°-60°	3.7	0.1
60°-70°	2.9	0.1
70°-80°	1.9	0.1
80°-90°	0.1	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°	2595.7	96.9
0°-40°	2659.3	99.3
0°-60°	2674.1	99.8
0°-90°	2678.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2678.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12681	12681	12681	12681	12681	
5°	11669	11679	11665	11689	11730	1028
15°	4446	4522	4632	4652	4628	1241
25°	574	600	645	608	598	293
35°	61	86	110	84	61	52
45°	8	12	16	12	8	8
55°	4	4	4	4	4	4
65°	2	4	2	2	2	3
75°	2	2	2	2	2	2
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°	12681.3	12681.3	12681.3	12681.3	12681.3
1°	12656.8	12640.5	12636.4	12638.5	12658.9
2°	12542.5	12532.3	12530.3	12536.4	12565.0
3°	12309.8	12322.0	12326.1	12346.5	12360.8
4°	12024.0	12048.5	12038.3	12062.8	12079.1
5°	11668.8	11679.0	11664.7	11689.2	11730.0
6°	11254.4	11217.6	11252.3	11262.5	11291.1
7°	10737.9	10746.1	10758.3	10770.6	10813.4
8°	10229.6	10205.1	10199.0	10256.1	10290.8
9°	9635.5	9639.6	9617.2	9682.5	9692.7
10°	9010.9	8959.8	8986.4	9037.4	9047.6
11°	8186.1	8171.8	8210.6	8290.2	8353.5
12°	7412.4	7420.6	7461.4	7487.9	7473.7
13°	6389.7	6450.9	6501.9	6528.5	6493.8
14°	5464.9	5464.9	5530.2	5540.4	5665.0
15°	4446.2	4521.8	4632.0	4652.4	4627.9
17.5°	2568.1	2578.3	2631.4	2629.4	2668.1
20°	1480.0	1494.3	1520.9	1514.7	1496.4
22.5°	890.1	920.7	984.0	932.9	918.6
25°	573.6	600.2	645.1	608.3	598.1
27.5°	359.3	377.7	412.4	379.7	363.4
30°	222.5	232.7	265.4	234.8	216.4
32.5°	120.4	147.0	173.5	147.0	120.4
35°	61.2	85.7	110.2	83.7	61.2
37.5°	40.8	49.0	71.4	47.0	40.8
40°	26.5	32.7	44.9	32.7	26.5
42.5°	14.3	20.4	24.5	22.5	14.3
45°	8.2	12.2	16.3	12.2	8.2
47.5°	6.1	6.1	10.2	6.1	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°	4.1	4.1	4.1	4.1	4.1
65°	2.0	4.1	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°	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	2.0	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)