

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: P1309563

Luminaire Tested: P3SQAS24R259035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

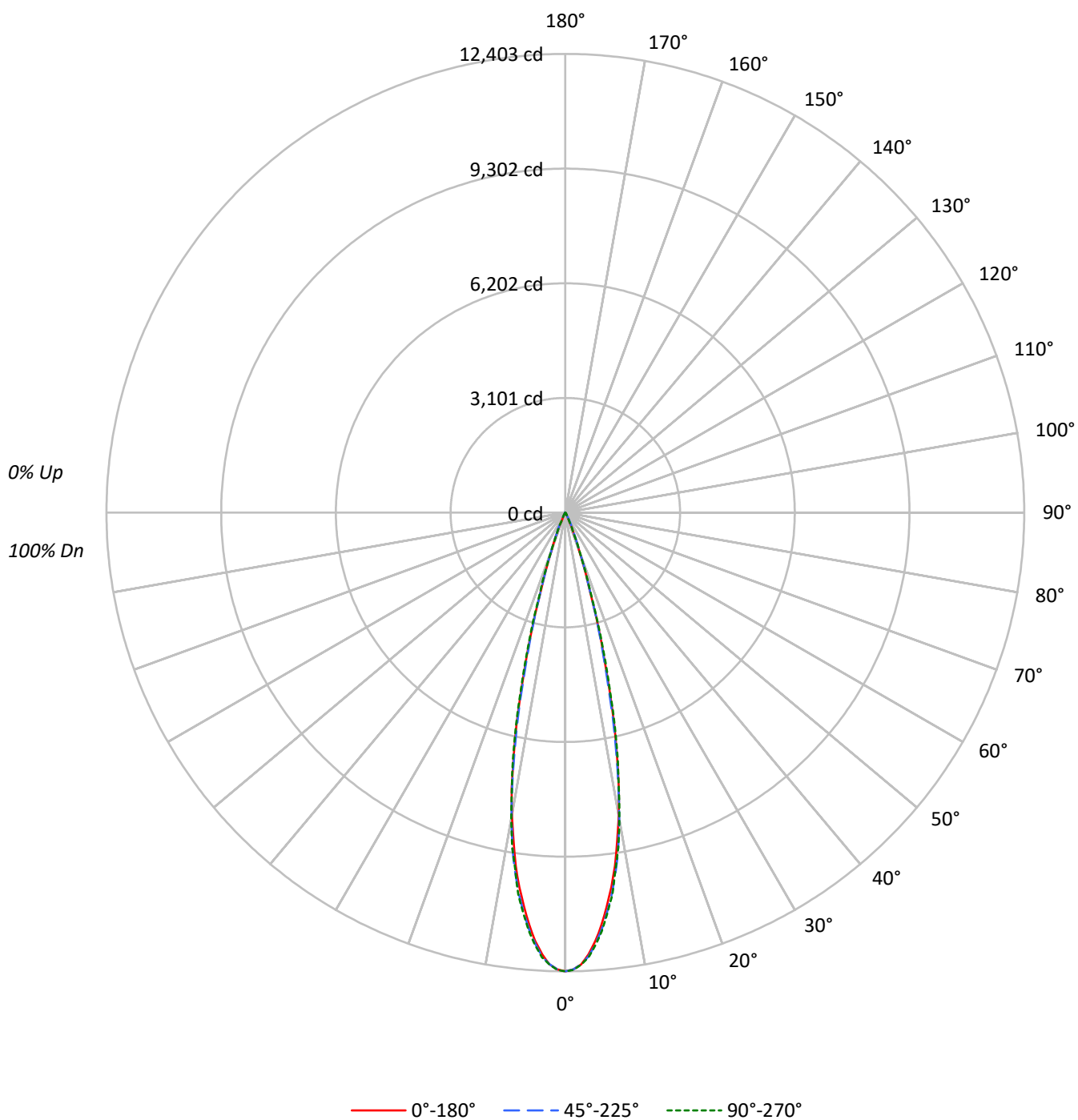
Lumens per Lamp: N/A
Luminaire Lumens: 2289.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2136077	2136077	2136077
5°	1935708	1953342	1962868
10°	1455172	1465525	1472310
15°	720520	699053	745642
20°	203491	206863	209099
25°	35288	66699	41882
30°	13801	14199	14617
35°	4289	4731	4731
40°	1371	1844	1371
45°	999	487	999
50°	536	0	536
55°	601	0	601
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: 0°

Vertical Angle: 45°

Luminance: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.3	43.0
10°-20°	1111.1	48.5
20°-30°	172.3	7.5
30°-40°	17.5	0.8
40°-50°	2.4	0.1
50°-60°	0.4	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°	2268.8	99.1
0°-40°	2286.3	99.9
0°-60°	2289.0	100.0
0°-90°	2289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12403	12403	12403	12403	12403	
5°	11197	11217	11299	11344	11354	976
15°	4041	4013	3921	4096	4182	1107
25°	186	276	351	267	220	156
35°	20	22	22	24	22	16
45°	4	2	2	2	4	3
55°	2	0	0	0	2	1
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°	12403.0	12403.0	12403.0	12403.0	12403.0
1°	12352.0	12368.3	12349.9	12370.3	12368.3
2°	12223.4	12239.7	12217.3	12229.5	12229.5
3°	11960.1	11994.8	12015.2	12029.5	12041.7
4°	11613.1	11651.9	11682.5	11719.3	11719.3
5°	11196.8	11217.2	11298.8	11343.7	11353.9
6°	10700.8	10782.5	10843.7	10933.5	10878.4
7°	10204.9	10272.2	10357.9	10372.2	10411.0
8°	9641.6	9713.0	9792.6	9778.3	9745.6
9°	8955.8	9059.9	9153.8	9123.2	9164.0
10°	8321.0	8384.3	8380.2	8349.6	8419.0
11°	7584.3	7598.5	7518.9	7643.4	7567.9
12°	6710.7	6723.0	6620.9	6743.4	6820.9
13°	5873.9	5845.3	5704.5	5865.8	5963.7
14°	4910.6	4920.8	4741.2	5053.4	5029.0
15°	4041.1	4012.6	3920.7	4096.2	4182.0
17.5°	2153.2	2171.6	2149.1	2236.9	2292.0
20°	1110.3	1140.9	1128.7	1165.4	1140.9
22.5°	575.6	618.4	630.7	602.1	524.5
25°	185.7	275.5	351.0	267.4	220.4
27.5°	112.3	110.2	171.4	118.4	120.4
30°	69.4	67.4	71.4	71.4	73.5
32.5°	38.8	40.8	38.8	42.9	40.8
35°	20.4	22.5	22.5	24.5	22.5
37.5°	12.2	14.3	14.3	14.3	12.2
40°	6.1	8.2	8.2	6.1	6.1
42.5°	4.1	4.1	4.1	4.1	4.1
45°	4.1	2.0	2.0	2.0	4.1
47.5°	2.0	2.0	0.0	2.0	2.0
50°	2.0	2.0	0.0	2.0	2.0
52.5°	2.0	0.0	0.0	0.0	2.0
55°	2.0	0.0	0.0	0.0	2.0
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)