

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: P1309546

Luminaire Tested: P3SQAS24R209035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

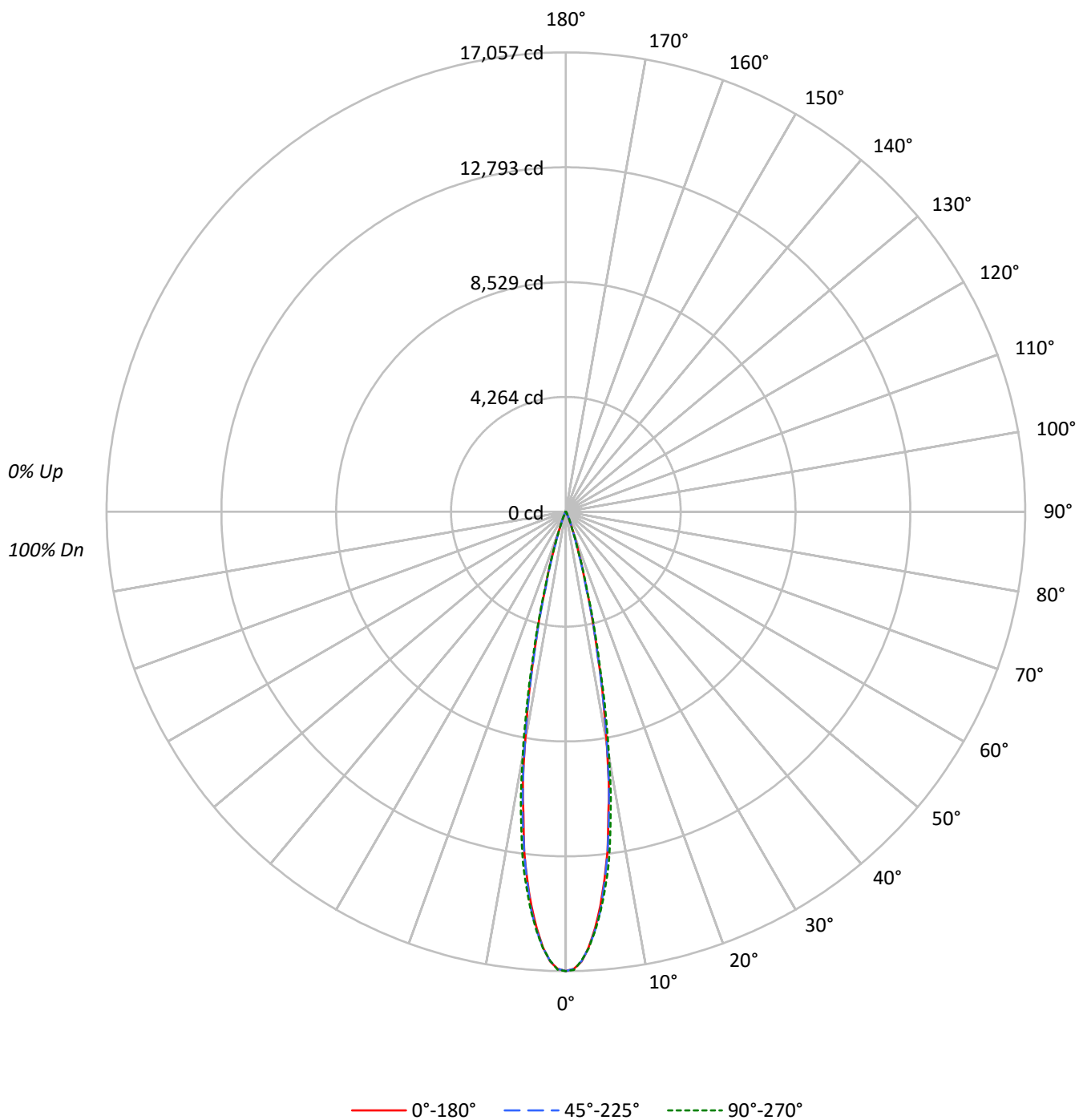
Lumens per Lamp: N/A
Luminaire Lumens: 2291.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2937636	2937636	2937636
5°	2537765	2561415	2570941
10°	1527712	1541982	1618719
15°	528404	516030	557163
20°	138776	130547	130932
25°	30252	36466	41502
30°	12986	12986	13404
35°	7296	6433	6875
40°	3215	3665	4137
45°	999	1486	1486
50°	536	536	536
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: 22.5°

Vertical Angle: 45°

Luminance: 1486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.0	53.3
10°-20°	928.9	40.5
20°-30°	114.9	5.0
30°-40°	21.7	0.9
40°-50°	5.2	0.2
50°-60°	0.3	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°	2263.7	98.8
0°-40°	2285.4	99.8
0°-60°	2291.0	100.0
0°-90°	2291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2291.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17057	17057	17057	17057	17057	
5°	14679	14669	14816	14806	14871	1211
15°	2964	2858	2894	3068	3125	928
25°	159	182	192	200	218	110
35°	35	35	31	33	33	22
45°	4	6	6	6	6	4
55°	0	0	0	0	0	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°	17057.2	17057.2	17057.2	17057.2	17057.2
1°	16977.6	16957.2	16973.5	16938.8	17010.2
2°	16706.1	16685.7	16685.7	16665.3	16675.5
3°	16199.9	16232.6	16212.2	16169.3	16224.4
4°	15510.0	15546.8	15579.4	15581.5	15589.6
5°	14679.3	14669.1	14816.1	14805.9	14871.2
6°	13732.3	13720.0	13783.3	13889.4	14020.1
7°	12691.3	12542.3	12711.7	12926.1	13101.6
8°	11344.2	11383.0	11499.4	11752.4	11893.3
9°	10201.2	9974.7	10221.6	10523.7	10676.8
10°	8735.8	8552.1	8817.4	9135.8	9256.2
12.5°	5498.6	5339.4	5425.1	5759.9	5812.9
15°	2963.6	2857.5	2894.2	3067.7	3124.9
17.5°	1512.4	1416.5	1396.1	1506.3	1518.6
20°	757.2	734.8	712.3	722.5	714.4
22.5°	351.1	381.7	377.6	357.2	381.7
25°	159.2	181.7	191.9	200.0	218.4
27.5°	98.0	93.9	108.2	116.3	118.4
30°	65.3	63.3	65.3	67.4	67.4
32.5°	46.9	44.9	42.9	42.9	44.9
35°	34.7	34.7	30.6	32.7	32.7
37.5°	24.5	24.5	22.5	24.5	24.5
40°	14.3	16.3	16.3	16.3	18.4
42.5°	8.2	10.2	10.2	10.2	10.2
45°	4.1	6.1	6.1	6.1	6.1
47.5°	2.0	2.0	2.0	4.1	4.1
50°	2.0	2.0	2.0	2.0	2.0
52.5°	2.0	0.0	0.0	0.0	2.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)