

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: P1317546

Luminaire Tested: P3SQAS02R259835DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259835DE010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

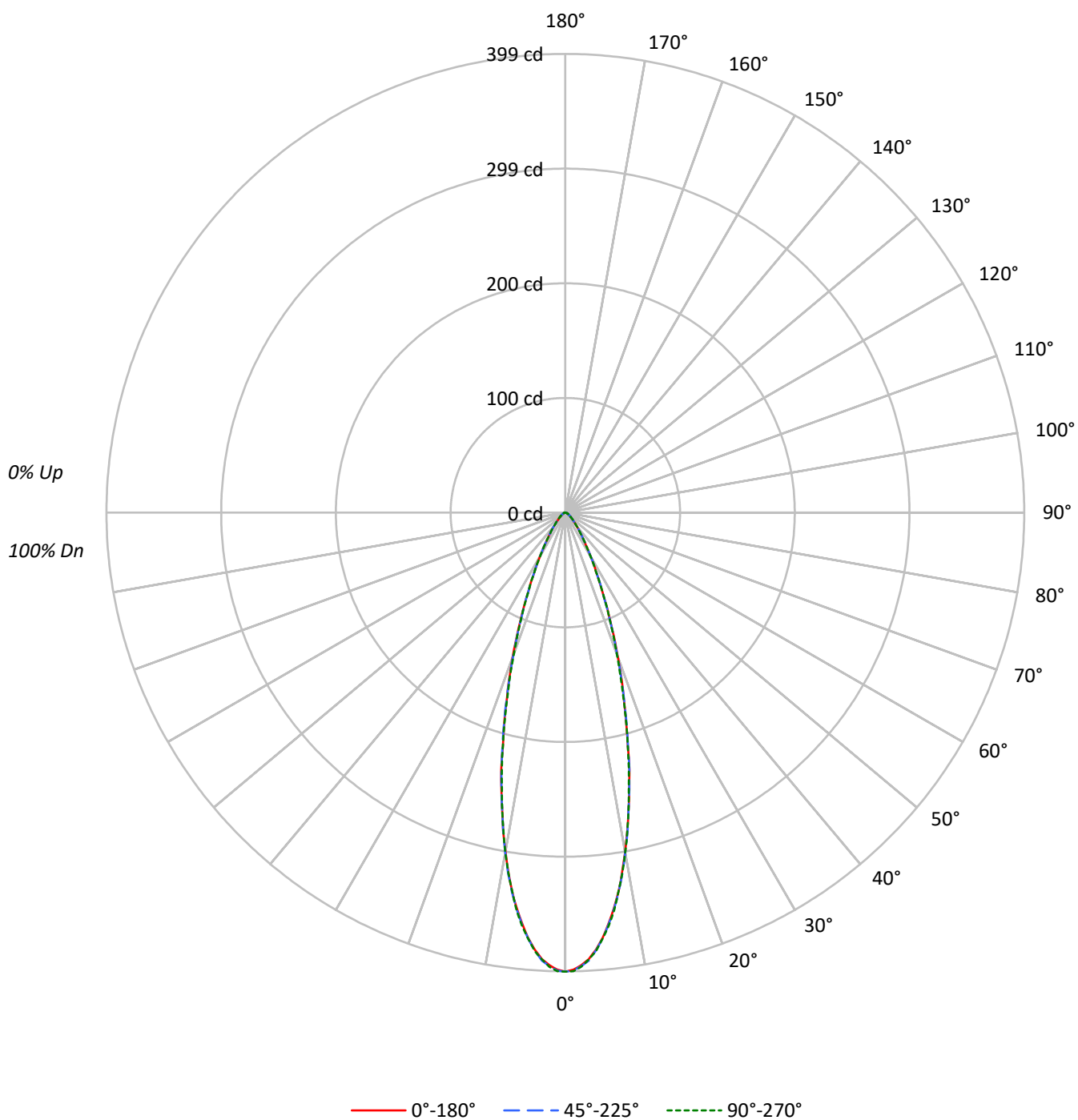
Lumens per Lamp: N/A
Luminaire Lumens: 160.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	90	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	85	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	69	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	66	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68769	68769	68769
5°	64191	64260	64294
10°	52359	52516	52516
15°	37389	37603	37389
20°	24467	24229	23899
25°	14556	14613	14556
30°	8770	8770	8730
35°	5340	5382	5340
40°	3395	3440	3440
45°	2363	2363	2363
50°	1715	1742	1742
55°	1351	1351	1411
60°	1102	1171	1171
65°	978	978	978
70°	856	856	957
75°	732	732	865
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	20.7
10°-20°	57.8	36.2
20°-30°	36.4	22.7
30°-40°	16.6	10.4
40°-50°	7.7	4.8
50°-60°	4.2	2.6
60°-70°	2.5	1.5
70°-80°	1.3	0.8
80°-90°	0.3	0.2
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°	127.4	79.6
0°-40°	144.0	90.0
0°-60°	155.9	97.5
0°-90°	160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	399	399	399	399	399	
5°	371	372	372	372	372	33
15°	210	211	211	211	210	58
25°	77	78	77	77	77	36
35°	25	25	26	26	25	17
45°	10	10	10	10	10	8
55°	4	4	4	5	5	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	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°	399.3	399.3	399.3	399.3	399.3
1°	397.6	398.0	398.4	398.9	398.8
2°	393.9	394.6	394.8	395.6	395.4
3°	388.9	388.7	390.2	390.2	389.2
4°	381.0	381.4	381.8	382.1	382.3
5°	371.3	372.0	371.7	372.0	371.9
6°	359.3	360.5	360.3	360.7	361.2
7°	346.6	347.4	347.4	347.0	348.5
8°	332.8	332.3	333.2	332.8	332.6
9°	316.4	317.5	317.7	316.8	317.1
10°	299.4	300.1	300.3	300.9	300.3
11°	282.6	282.6	283.0	283.9	282.4
12°	264.3	266.0	264.3	265.0	264.3
13°	246.9	247.3	246.9	246.7	245.4
14°	230.5	229.2	229.5	228.0	228.2
15°	209.7	211.1	210.9	211.2	209.7
17.5°	168.7	169.4	169.2	168.8	167.0
20°	133.5	133.5	132.2	131.5	130.4
22.5°	102.0	101.6	101.0	100.5	100.9
25°	76.6	77.5	76.9	76.9	76.6
27.5°	57.9	59.0	58.1	57.5	57.9
30°	44.1	44.5	44.1	43.9	43.9
32.5°	33.2	33.4	33.2	33.2	33.2
35°	25.4	25.4	25.6	25.6	25.4
37.5°	19.6	19.6	19.6	19.6	19.8
40°	15.1	15.3	15.3	15.3	15.3
42.5°	12.0	12.1	12.1	12.1	12.1
45°	9.7	9.7	9.7	9.7	9.7
47.5°	7.8	7.8	7.8	7.8	8.0
50°	6.4	6.5	6.5	6.5	6.5
52.5°	5.4	5.4	5.4	5.4	5.4
55°	4.5	4.5	4.5	4.7	4.7
57.5°	3.7	3.7	3.9	3.9	3.9
60°	3.2	3.4	3.4	3.4	3.4
62.5°	2.8	2.8	3.0	3.0	3.0
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.1	2.1	2.1	2.1	2.2
70°	1.7	1.7	1.7	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.1	1.1	1.1	1.3	1.3
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
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)