

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: P1310842

Luminaire Tested: P3SQAS02R259050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259050DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

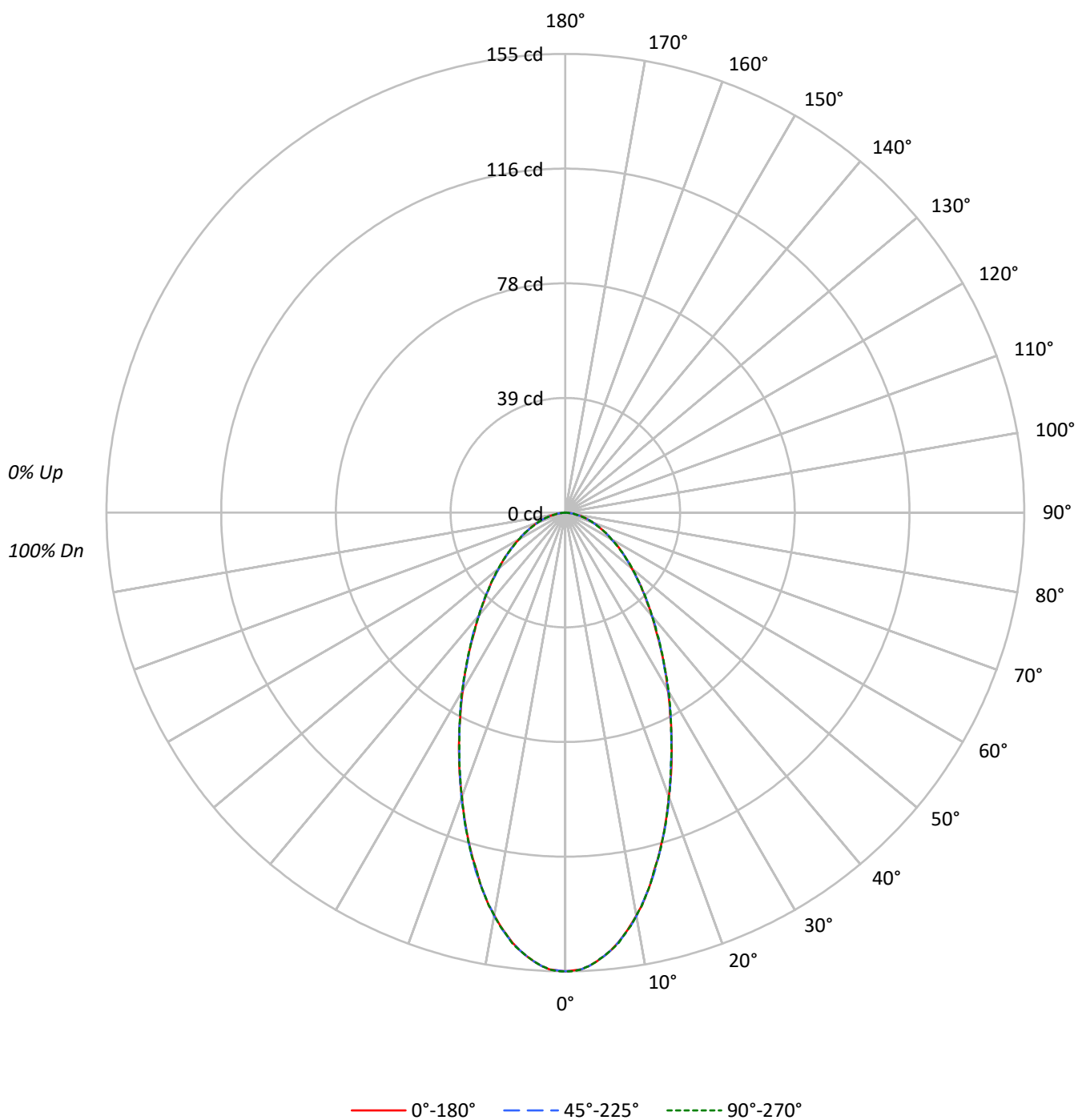
Lumens per Lamp: N/A
Luminaire Lumens: 194.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	63	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26695	26695	26695
5°	26001	26001	26001
10°	24168	24203	24168
15°	21556	21592	21592
20°	18731	18786	18731
25°	16133	16095	16095
30°	13761	13821	13881
35°	11816	11816	11858
40°	10229	10229	10229
45°	8939	8939	8939
50°	7850	7850	7931
55°	7026	7026	7026
60°	6234	6234	6234
65°	5624	5624	5624
70°	5086	4985	5086
75°	4591	4458	4458
80°	3670	3670	3670
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	7.2
10°-20°	33.7	17.4
20°-30°	39.0	20.1
30°-40°	35.3	18.2
40°-50°	28.5	14.7
50°-60°	21.0	10.8
60°-70°	13.8	7.1
70°-80°	7.1	3.7
80°-90°	1.6	0.8
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°	86.7	44.7
0°-40°	122.0	62.9
0°-60°	171.5	88.4
0°-90°	194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	155	155	155	155	155	
5°	150	151	150	150	150	14
15°	121	121	121	121	121	34
25°	85	85	85	85	85	39
35°	56	56	56	56	56	35
45°	37	37	37	37	37	28
55°	23	23	23	23	23	21
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	155.0	155.0	155.0	155.0	155.0
1°	154.7	155.2	154.7	154.7	155.0
2°	154.4	154.7	154.4	154.4	154.4
3°	153.4	153.9	153.4	153.4	153.4
4°	152.0	152.6	152.0	152.0	152.0
5°	150.4	151.0	150.4	150.4	150.4
6°	148.6	148.8	148.6	148.6	148.6
7°	146.4	146.7	146.4	146.4	146.7
8°	143.8	144.0	144.0	143.8	143.8
9°	141.1	141.4	141.4	141.1	141.4
10°	138.2	138.4	138.4	138.2	138.2
11°	135.3	135.5	135.0	135.0	135.3
12°	131.8	132.1	131.8	131.8	131.8
13°	128.3	128.3	128.3	128.3	128.3
14°	124.3	124.9	124.9	124.6	124.3
15°	120.9	121.1	121.1	120.9	121.1
17.5°	111.6	112.1	111.8	111.8	111.8
20°	102.2	102.5	102.5	102.2	102.2
22.5°	93.5	93.2	93.2	93.2	93.2
25°	84.9	84.7	84.7	84.9	84.7
27.5°	76.7	76.9	76.9	76.7	76.9
30°	69.2	69.2	69.5	69.2	69.8
32.5°	62.6	62.6	62.3	62.6	62.6
35°	56.2	56.2	56.2	56.2	56.4
37.5°	50.3	50.6	50.9	50.9	50.6
40°	45.5	45.5	45.5	45.5	45.5
42.5°	40.7	40.7	41.0	41.0	41.0
45°	36.7	36.7	36.7	36.7	36.7
47.5°	33.0	33.0	32.7	32.7	33.0
50°	29.3	29.6	29.3	29.3	29.6
52.5°	26.4	26.1	26.1	26.4	26.4
55°	23.4	23.4	23.4	23.2	23.4
57.5°	20.8	20.8	20.5	20.5	20.5
60°	18.1	18.1	18.1	18.1	18.1
62.5°	16.0	16.0	16.0	16.0	16.0
65°	13.8	13.8	13.8	13.8	13.8
67.5°	12.0	12.0	12.0	12.0	11.7
70°	10.1	10.1	9.9	9.9	10.1
72.5°	8.3	8.3	8.3	8.3	8.3
75°	6.9	6.7	6.7	6.7	6.7
77.5°	5.3	5.3	5.1	5.3	5.1
80°	3.7	3.7	3.7	3.7	3.7
82.5°	2.7	2.4	2.4	2.4	2.4
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.3	0.3	0.3	0.3	0.5



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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)