

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: P1314854

Luminaire Tested: P3SQAS02R259740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314854
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: P3SQAS02R259740DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

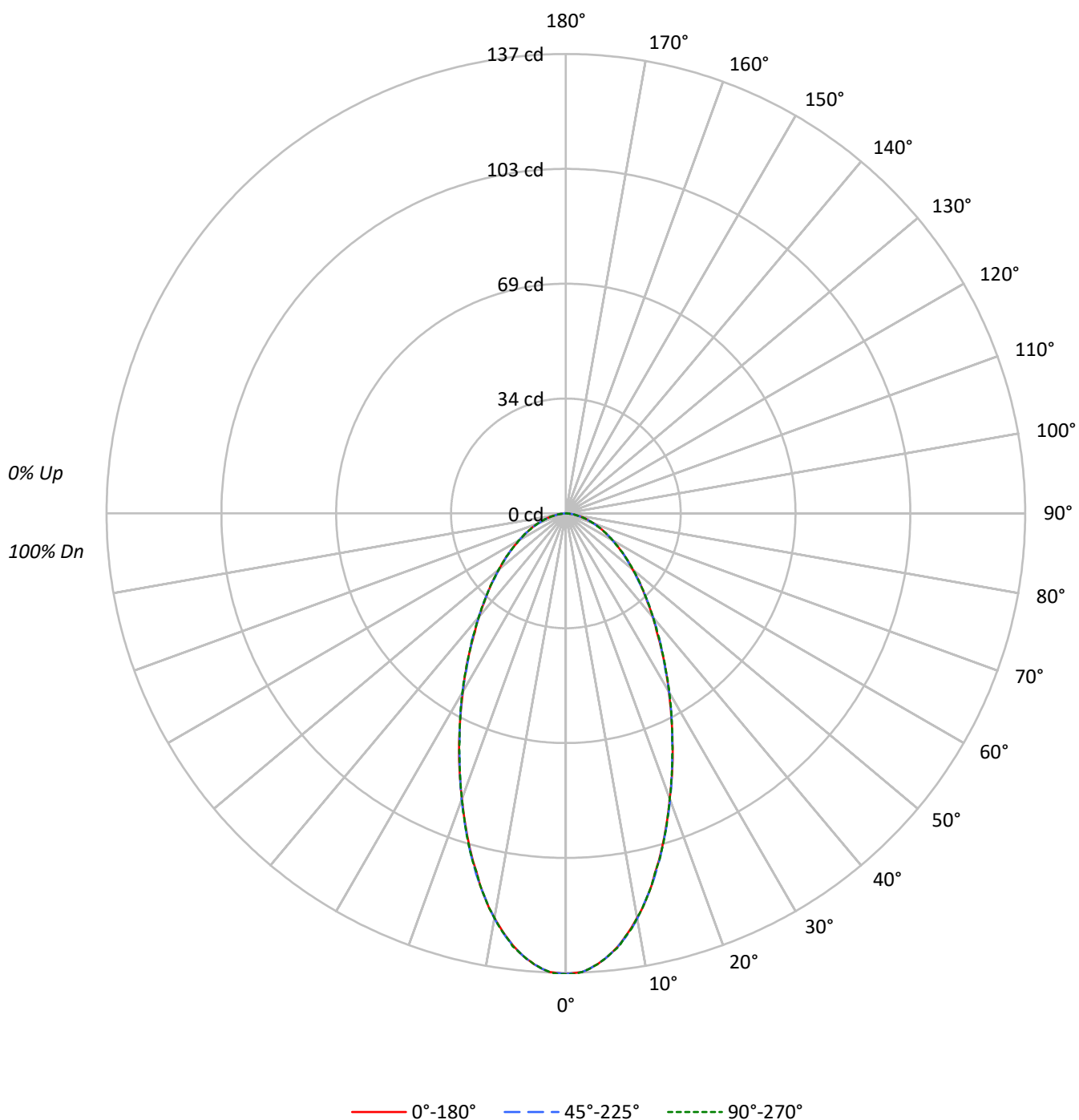
Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	64	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°	23663	23663	23663
5°	23062	23062	23062
10°	21423	21458	21423
15°	19114	19149	19149
20°	16605	16660	16605
25°	14309	14271	14271
30°	12210	12250	12290
35°	10470	10470	10512
40°	9083	9083	9083
45°	7940	7940	7940
50°	6966	6966	7020
55°	6245	6245	6245
60°	5546	5546	5546
65°	5012	5012	5012
70°	4532	4381	4532
75°	4059	3926	3926
80°	3273	3273	3273
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	7.2
10°-20°	29.9	17.4
20°-30°	34.6	20.1
30°-40°	31.3	18.2
40°-50°	25.3	14.7
50°-60°	18.6	10.8
60°-70°	12.3	7.1
70°-80°	6.3	3.7
80°-90°	1.4	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°	76.8	44.7
0°-40°	108.2	62.9
0°-60°	152.1	88.4
0°-90°	172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	137	137	137	137	137	
5°	133	134	133	133	133	12
15°	107	107	107	107	107	30
25°	75	75	75	75	75	35
35°	50	50	50	50	50	31
45°	33	33	33	33	33	25
55°	21	21	21	20	21	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	137.4	137.4	137.4	137.4	137.4
1°	137.1	137.6	137.1	137.1	137.4
2°	136.9	137.1	136.9	136.9	136.9
3°	136.0	136.4	136.0	136.0	136.0
4°	134.8	135.3	134.8	134.8	134.8
5°	133.4	133.8	133.4	133.4	133.4
6°	131.7	132.0	131.7	131.7	131.7
7°	129.8	130.1	129.8	129.8	130.1
8°	127.5	127.7	127.7	127.5	127.5
9°	125.1	125.3	125.3	125.1	125.3
10°	122.5	122.7	122.7	122.5	122.5
11°	119.9	120.2	119.7	119.7	119.9
12°	116.8	117.1	116.8	116.8	116.8
13°	113.8	113.8	113.8	113.8	113.8
14°	110.2	110.7	110.7	110.5	110.2
15°	107.2	107.4	107.4	107.2	107.4
17.5°	98.9	99.4	99.1	99.1	99.1
20°	90.6	90.9	90.9	90.6	90.6
22.5°	82.9	82.6	82.6	82.6	82.6
25°	75.3	75.1	75.1	75.3	75.1
27.5°	68.0	68.2	68.2	68.0	68.2
30°	61.4	61.4	61.6	61.4	61.8
32.5°	55.5	55.5	55.2	55.5	55.5
35°	49.8	49.8	49.8	49.8	50.0
37.5°	44.6	44.9	45.1	45.1	44.9
40°	40.4	40.4	40.4	40.4	40.4
42.5°	36.1	36.1	36.4	36.4	36.4
45°	32.6	32.6	32.6	32.6	32.6
47.5°	29.3	29.3	29.0	29.0	29.3
50°	26.0	26.2	26.0	26.0	26.2
52.5°	23.4	23.1	23.1	23.4	23.4
55°	20.8	20.8	20.8	20.5	20.8
57.5°	18.4	18.4	18.2	18.2	18.2
60°	16.1	16.1	16.1	16.1	16.1
62.5°	14.2	14.2	14.2	14.2	14.2
65°	12.3	12.3	12.3	12.3	12.3
67.5°	10.6	10.6	10.6	10.6	10.4
70°	9.0	9.0	8.7	8.7	9.0
72.5°	7.3	7.3	7.3	7.3	7.3
75°	6.1	5.9	5.9	5.9	5.9
77.5°	4.7	4.7	4.5	4.7	4.5
80°	3.3	3.3	3.3	3.3	3.3
82.5°	2.4	2.1	2.1	2.1	2.1
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.2	0.2	0.2	0.2	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)