

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: P1314855

Luminaire Tested: P3SQAS02R259740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

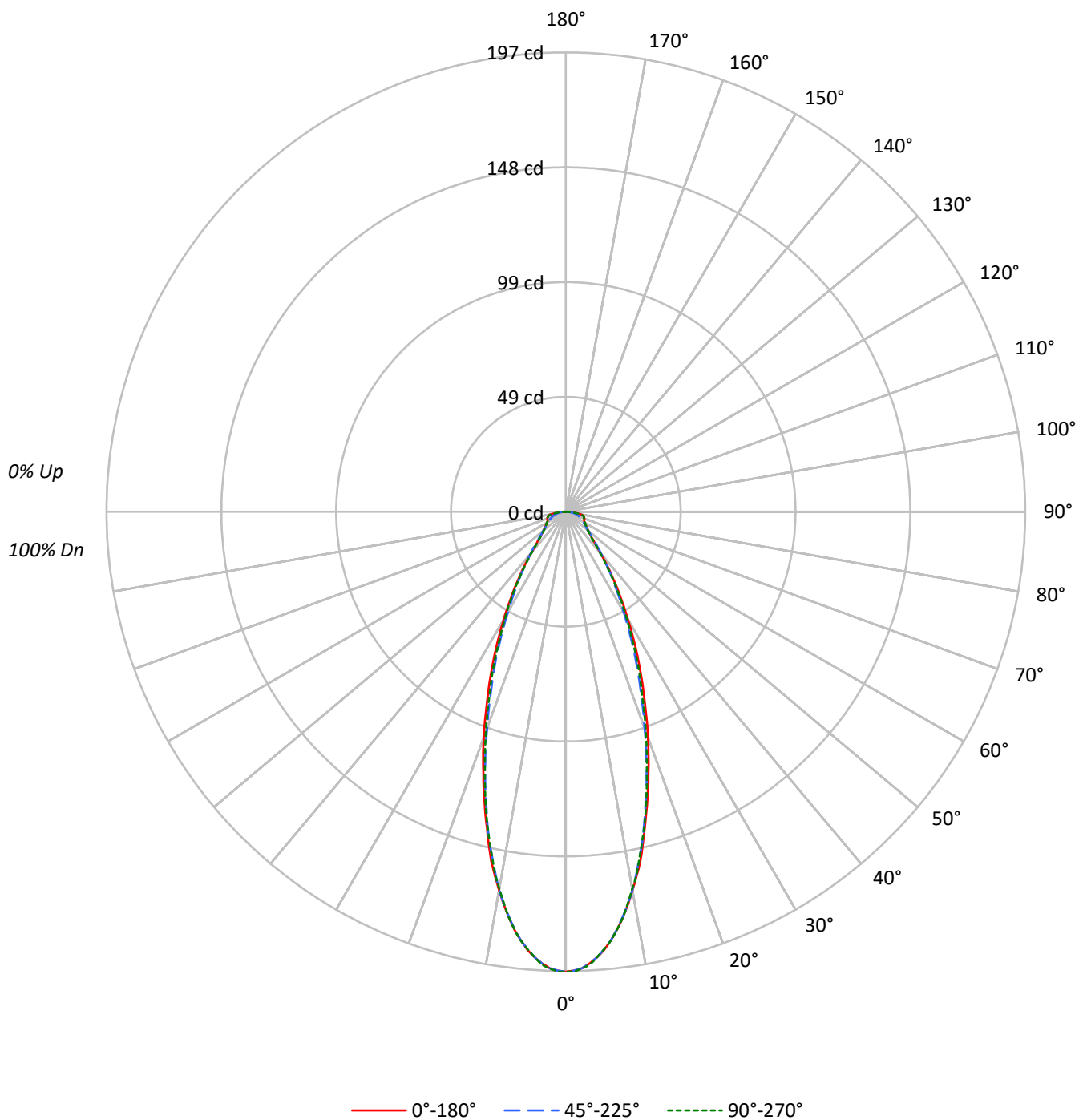
Lumens per Lamp: N/A
Luminaire Lumens: 149.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33980	33980	33980
5°	32605	32553	32553
10°	28820	28785	28698
15°	23803	23464	23589
20°	18859	18071	18383
25°	14366	13606	13967
30°	10580	9824	10261
35°	7569	7232	7317
40°	5193	5283	5036
45°	3848	4067	3775
50°	3349	3349	3269
55°	3183	3033	3183
60°	3238	2997	3238
65°	3545	3056	3545
70°	4280	3072	4129
75°	5323	3261	5323
80°	6744	3471	6347
85°	5533	3162	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	11.6
10°-20°	36.6	24.6
20°-30°	33.5	22.5
30°-40°	22.1	14.8
40°-50°	12.9	8.6
50°-60°	9.4	6.3
60°-70°	8.0	5.4
70°-80°	6.6	4.4
80°-90°	2.7	1.8
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°	87.3	58.6
0°-40°	109.4	73.4
0°-60°	131.7	88.4
0°-90°	149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	197	197	197	197	197	
5°	189	188	188	189	188	17
15°	134	133	132	132	132	37
25°	76	74	72	72	74	35
35°	36	35	34	34	35	23
45°	16	16	17	16	16	13
55°	11	11	10	10	11	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	197.3	197.3	197.3	197.3	197.3
1°	196.8	196.8	196.8	196.8	197.3
2°	195.9	195.6	195.9	195.9	196.1
3°	194.0	194.0	194.0	194.0	194.5
4°	191.6	191.6	191.6	191.6	191.6
5°	188.6	188.3	188.3	188.6	188.3
6°	184.8	184.8	184.8	184.8	185.0
7°	180.6	180.3	180.3	180.1	180.6
8°	175.6	175.6	175.4	175.2	175.6
9°	170.4	170.7	170.2	170.0	170.0
10°	164.8	164.6	164.6	164.6	164.1
11°	159.1	158.4	158.2	158.2	158.7
12°	153.5	152.3	151.8	151.8	151.8
13°	146.7	146.2	145.5	145.0	145.3
14°	139.8	139.8	138.7	138.7	139.1
15°	133.5	133.0	131.6	132.1	132.3
17.5°	117.7	116.8	115.1	115.1	115.4
20°	102.9	101.2	98.6	99.8	100.3
22.5°	88.3	86.6	84.0	85.2	85.7
25°	75.6	73.5	71.6	71.8	73.5
27.5°	64.0	61.7	59.8	60.5	61.4
30°	53.2	51.8	49.4	50.6	51.6
32.5°	44.0	42.8	41.2	41.9	42.8
35°	36.0	35.3	34.4	34.4	34.8
37.5°	29.2	29.0	28.5	28.3	28.0
40°	23.1	23.5	23.5	23.1	22.4
42.5°	18.8	19.3	19.8	18.8	18.1
45°	15.8	16.2	16.7	15.8	15.5
47.5°	13.9	14.1	14.4	13.9	13.7
50°	12.5	12.5	12.5	12.2	12.2
52.5°	11.5	11.3	11.1	11.3	11.3
55°	10.6	10.6	10.1	10.4	10.6
57.5°	9.9	9.7	9.4	9.7	9.9
60°	9.4	8.9	8.7	8.9	9.4
62.5°	8.9	8.5	8.0	8.5	8.9
65°	8.7	8.0	7.5	8.0	8.7
67.5°	8.5	7.5	6.8	7.5	8.5
70°	8.5	7.1	6.1	7.1	8.2
72.5°	8.2	6.6	5.7	6.6	8.2
75°	8.0	6.1	4.9	6.1	8.0
77.5°	7.8	5.7	4.2	5.7	7.5
80°	6.8	5.2	3.5	5.2	6.4
82.5°	4.9	4.2	2.8	4.2	4.7
85°	2.8	3.1	1.6	3.1	2.8
87.5°	0.5	0.7	0.5	1.2	0.9



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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)