

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: P1310843

Luminaire Tested: P3SQAS02R259050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310843
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: P3SQAS02R259050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

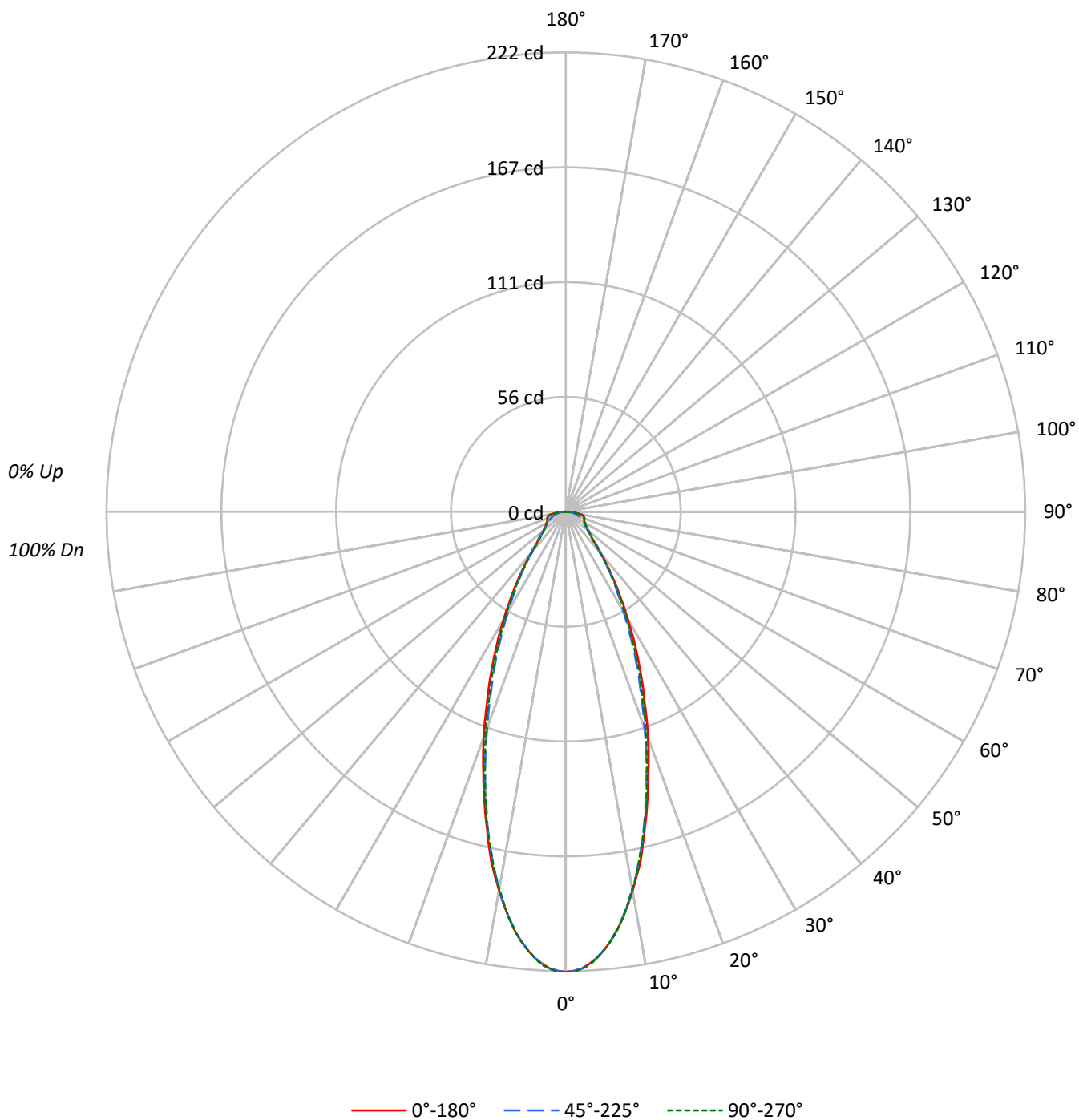
Lumens per Lamp: N/A
Luminaire Lumens: 168.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	38302	38302	38302
5°	36754	36720	36720
10°	32493	32440	32353
15°	26834	26459	26602
20°	21260	20380	20728
25°	16190	15335	15734
30°	11932	11077	11554
35°	8536	8158	8263
40°	5845	5958	5665
45°	4335	4579	4262
50°	3778	3778	3697
55°	3573	3423	3573
60°	3651	3376	3651
65°	3994	3464	3994
70°	4834	3474	4683
75°	5989	3726	5989
80°	7637	3967	7141
85°	6323	3754	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7637 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	11.6
10°-20°	41.2	24.5
20°-30°	37.8	22.5
30°-40°	24.9	14.8
40°-50°	14.5	8.6
50°-60°	10.6	6.3
60°-70°	9.0	5.4
70°-80°	7.5	4.4
80°-90°	3.1	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°	98.4	58.6
0°-40°	123.4	73.4
0°-60°	148.5	88.4
0°-90°	168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	222	222	222	222	222	
5°	213	212	212	213	212	19
15°	150	150	148	149	149	42
25°	85	83	81	81	83	39
35°	41	40	39	39	39	26
45°	18	18	19	18	18	14
55°	12	12	11	12	12	11
65°	10	9	8	9	10	10
75°	9	7	6	7	9	9
85°	3	4	2	4	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	222.4	222.4	222.4	222.4	222.4
1°	221.9	221.9	221.9	221.9	222.4
2°	220.9	220.6	220.9	220.9	221.1
3°	218.7	218.7	218.7	218.7	219.3
4°	216.1	216.1	216.1	216.1	216.1
5°	212.6	212.4	212.4	212.6	212.4
6°	208.4	208.4	208.4	208.4	208.6
7°	203.6	203.3	203.3	203.1	203.6
8°	198.0	198.0	197.8	197.5	198.0
9°	192.2	192.4	191.9	191.7	191.7
10°	185.8	185.5	185.5	185.5	185.0
11°	179.4	178.6	178.4	178.4	178.9
12°	173.1	171.7	171.2	171.2	171.2
13°	165.4	164.8	164.0	163.5	163.8
14°	157.7	157.7	156.3	156.3	156.9
15°	150.5	150.0	148.4	148.9	149.2
17.5°	132.7	131.7	129.8	129.8	130.1
20°	116.0	114.1	111.2	112.5	113.1
22.5°	99.5	97.7	94.8	96.1	96.6
25°	85.2	82.8	80.7	81.0	82.8
27.5°	72.2	69.5	67.4	68.2	69.3
30°	60.0	58.4	55.7	57.1	58.1
32.5°	49.6	48.3	46.5	47.2	48.3
35°	40.6	39.8	38.8	38.8	39.3
37.5°	32.9	32.6	32.1	31.9	31.6
40°	26.0	26.5	26.5	26.0	25.2
42.5°	21.2	21.8	22.3	21.2	20.4
45°	17.8	18.3	18.8	17.8	17.5
47.5°	15.7	15.9	16.2	15.7	15.4
50°	14.1	14.1	14.1	13.8	13.8
52.5°	13.0	12.7	12.5	12.7	12.7
55°	11.9	11.9	11.4	11.7	11.9
57.5°	11.1	10.9	10.6	10.9	11.1
60°	10.6	10.1	9.8	10.1	10.6
62.5°	10.1	9.6	9.0	9.6	10.1
65°	9.8	9.0	8.5	9.0	9.8
67.5°	9.6	8.5	7.7	8.5	9.6
70°	9.6	8.0	6.9	8.0	9.3
72.5°	9.3	7.4	6.4	7.4	9.3
75°	9.0	6.9	5.6	6.9	9.0
77.5°	8.8	6.4	4.8	6.4	8.5
80°	7.7	5.8	4.0	5.8	7.2
82.5°	5.6	4.8	3.2	4.8	5.3
85°	3.2	3.5	1.9	3.5	3.2
87.5°	0.5	0.8	0.5	1.3	1.1



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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)