

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: P1313851

Luminaire Tested: P3SQAS02R159735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

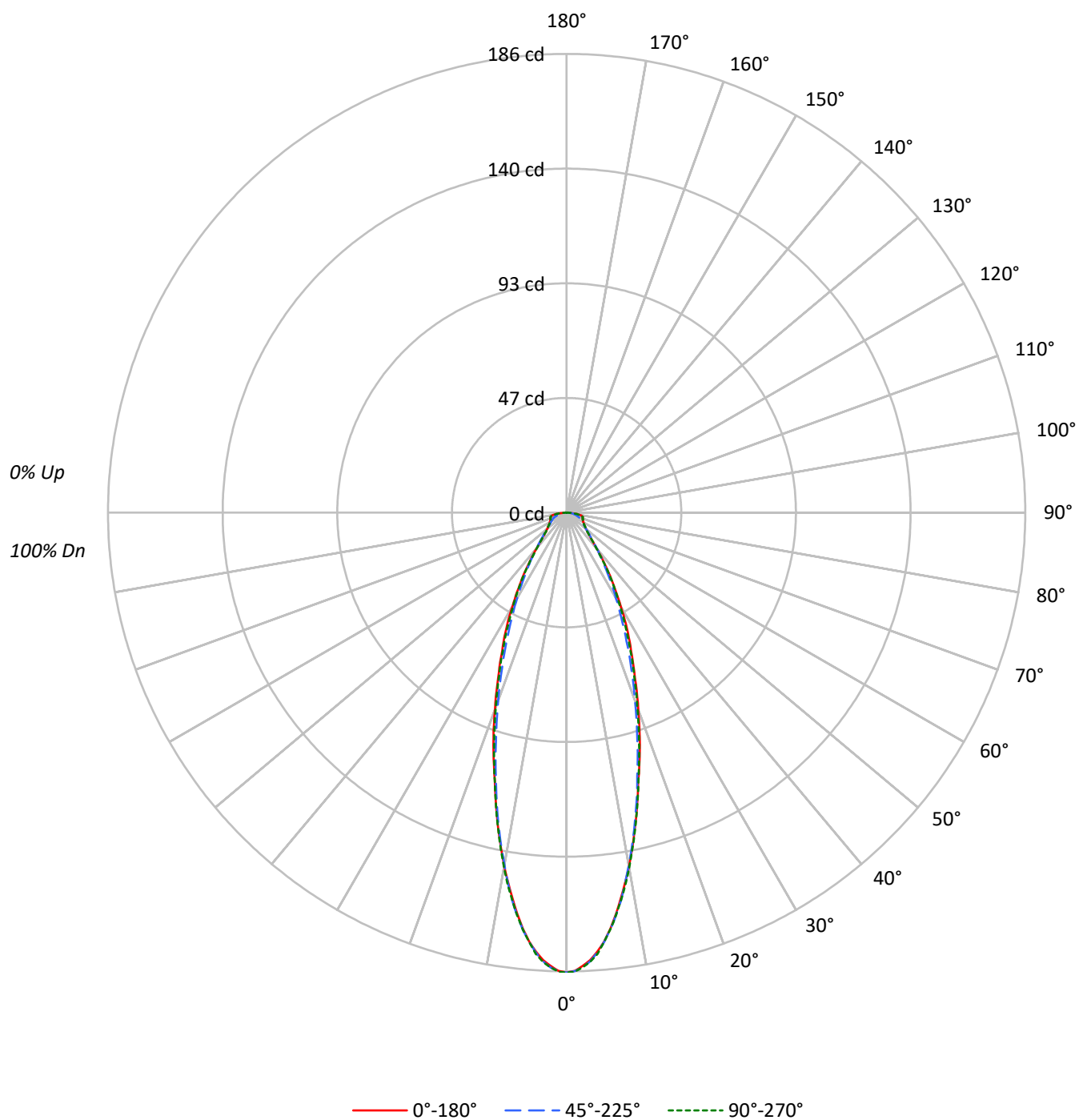
Lumens per Lamp: N/A
Luminaire Lumens: 125.0 lumens
Efficiency: N/A
Efficacy: 34.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32120	32120	32120
5°	30168	30202	30202
10°	25480	25392	25550
15°	20041	19755	20076
20°	15578	14864	15358
25°	11763	10927	11573
30°	8750	7975	8551
35°	6244	5803	6139
40°	4227	4272	4182
45°	3142	3312	3142
50°	2733	2733	2733
55°	2642	2522	2642
60°	2721	2514	2652
65°	2975	2567	2975
70°	3525	2618	3525
75°	4525	2728	4525
80°	5653	2876	5356
85°	4545	2766	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	12.6
10°-20°	31.1	24.9
20°-30°	27.5	22.0
30°-40°	18.0	14.4
40°-50°	10.5	8.4
50°-60°	7.8	6.2
60°-70°	6.6	5.3
70°-80°	5.5	4.4
80°-90°	2.3	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°	74.3	59.4
0°-40°	92.3	73.9
0°-60°	110.6	88.5
0°-90°	125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	186	186	186	186	186	
5°	174	174	175	175	175	16
15°	112	112	111	112	113	31
25°	62	60	58	59	61	29
35°	30	28	28	28	29	19
45°	13	13	14	13	13	10
55°	9	9	8	9	9	8
65°	7	7	6	7	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	186.5	186.5	186.5	186.5	186.5
1°	185.8	186.0	186.0	186.2	186.2
2°	184.0	184.4	184.6	184.6	184.6
3°	181.7	181.9	182.2	182.4	182.4
4°	178.5	178.8	178.8	179.2	179.4
5°	174.5	174.5	174.7	174.9	174.7
6°	169.7	169.7	169.9	169.9	169.9
7°	164.0	164.3	164.5	164.7	164.5
8°	157.9	158.1	158.8	158.8	158.6
9°	151.8	152.0	152.0	152.7	152.7
10°	145.7	145.7	145.2	145.7	146.1
12.5°	129.1	128.9	128.2	128.9	129.4
15°	112.4	112.4	110.8	112.1	112.6
17.5°	98.8	96.7	95.2	96.5	97.6
20°	85.0	82.9	81.1	82.5	83.8
22.5°	72.5	70.9	68.6	70.0	71.6
25°	61.9	59.8	57.5	59.1	60.9
27.5°	53.0	50.3	48.0	49.8	51.4
30°	44.0	42.1	40.1	41.5	43.0
32.5°	36.3	34.9	33.3	34.4	35.8
35°	29.7	28.5	27.6	28.3	29.2
37.5°	23.8	23.3	22.9	23.1	23.1
40°	18.8	19.0	19.0	19.0	18.6
42.5°	15.4	15.6	16.1	15.6	15.4
45°	12.9	13.1	13.6	13.1	12.9
47.5°	11.3	11.6	11.8	11.3	11.3
50°	10.2	10.2	10.2	10.2	10.2
52.5°	9.5	9.3	9.3	9.3	9.5
55°	8.8	8.6	8.4	8.6	8.8
57.5°	8.2	7.9	7.7	7.9	8.2
60°	7.9	7.5	7.3	7.5	7.7
62.5°	7.5	7.0	6.8	7.0	7.5
65°	7.3	6.6	6.3	6.6	7.3
67.5°	7.0	6.1	5.7	6.1	7.0
70°	7.0	5.7	5.2	5.9	7.0
72.5°	6.8	5.4	4.5	5.4	6.8
75°	6.8	5.0	4.1	5.2	6.8
77.5°	6.3	4.5	3.4	4.8	6.3
80°	5.7	4.1	2.9	4.3	5.4
82.5°	4.1	3.4	2.3	3.4	4.1
85°	2.3	2.5	1.4	2.3	2.5
87.5°	0.2	0.7	0.5	1.4	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)