

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: P1306358

Luminaire Tested: P3SQAS02R159027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306358
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: P3SQAS02R159027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

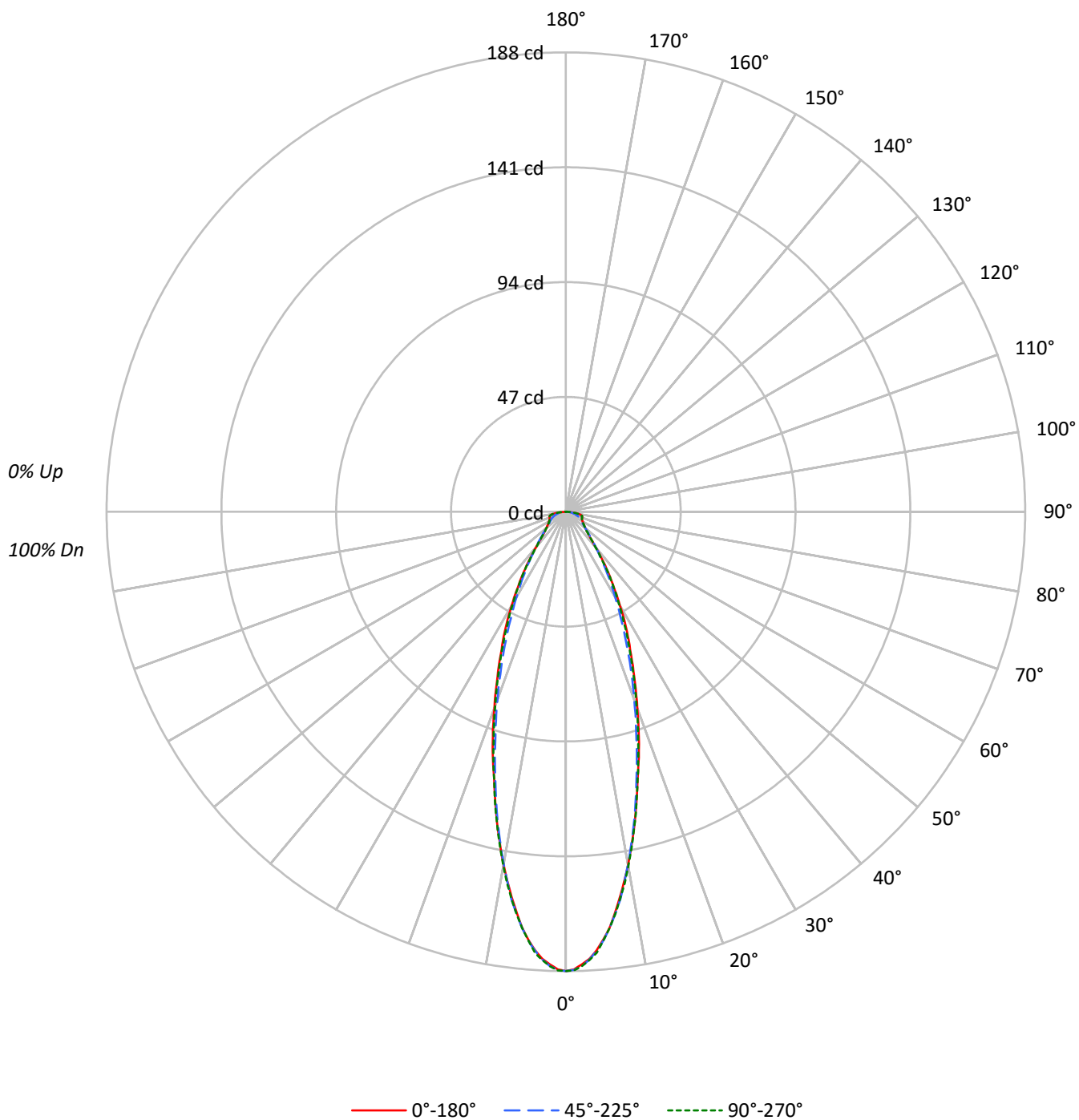
Lumens per Lamp: N/A
Luminaire Lumens: 126.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	32378	32378	32378
5°	30392	30444	30444
10°	25672	25602	25760
15°	20201	19916	20237
20°	15688	14992	15487
25°	11839	11022	11668
30°	8810	8034	8631
35°	6286	5866	6202
40°	4272	4317	4204
45°	3166	3337	3166
50°	2760	2760	2760
55°	2672	2522	2672
60°	2756	2514	2687
65°	2975	2608	2975
70°	3575	2669	3575
75°	4591	2728	4591
80°	5653	2975	5455
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°	15.9	12.6
10°-20°	31.3	24.9
20°-30°	27.7	22.0
30°-40°	18.2	14.4
40°-50°	10.6	8.4
50°-60°	7.8	6.2
60°-70°	6.7	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°	74.9	59.4
0°-40°	93.1	73.9
0°-60°	111.6	88.5
0°-90°	126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	188	188	188	188	188	
5°	176	176	176	176	176	16
15°	113	113	112	113	114	32
25°	62	60	58	60	61	29
35°	30	29	28	28	30	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°	188.0	188.0	188.0	188.0	188.0
1°	187.3	187.5	187.5	187.7	187.7
2°	185.4	185.9	186.1	186.1	186.1
3°	183.2	183.4	183.6	183.8	183.8
4°	180.0	180.2	180.2	180.6	180.9
5°	175.8	175.8	176.1	176.3	176.1
6°	171.1	171.1	171.3	171.3	171.3
7°	165.3	165.6	165.8	166.0	165.8
8°	159.2	159.4	160.1	160.1	159.9
9°	153.0	153.2	153.2	153.9	153.9
10°	146.8	146.8	146.4	146.8	147.3
12.5°	130.2	129.9	129.3	129.9	130.4
15°	113.3	113.3	111.7	113.0	113.5
17.5°	99.6	97.5	95.9	97.3	98.4
20°	85.6	83.6	81.8	83.1	84.5
22.5°	73.1	71.5	69.2	70.6	72.2
25°	62.3	60.3	58.0	59.6	61.4
27.5°	53.4	50.7	48.4	50.2	51.8
30°	44.3	42.5	40.4	41.8	43.4
32.5°	36.5	35.2	33.6	34.7	36.1
35°	29.9	28.8	27.9	28.5	29.5
37.5°	24.0	23.5	23.1	23.3	23.3
40°	19.0	19.2	19.2	19.2	18.7
42.5°	15.5	15.8	16.2	15.8	15.5
45°	13.0	13.2	13.7	13.2	13.0
47.5°	11.4	11.6	11.9	11.4	11.4
50°	10.3	10.3	10.3	10.3	10.3
52.5°	9.6	9.4	9.4	9.4	9.6
55°	8.9	8.7	8.4	8.7	8.9
57.5°	8.2	8.0	7.8	8.0	8.2
60°	8.0	7.5	7.3	7.5	7.8
62.5°	7.5	7.1	6.9	7.1	7.5
65°	7.3	6.6	6.4	6.6	7.3
67.5°	7.1	6.2	5.7	6.2	7.1
70°	7.1	5.7	5.3	5.9	7.1
72.5°	6.9	5.5	4.6	5.5	6.9
75°	6.9	5.0	4.1	5.3	6.9
77.5°	6.4	4.6	3.4	4.8	6.4
80°	5.7	4.1	3.0	4.3	5.5
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)