

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: P1306390

Luminaire Tested: P3SQAS02R259027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306390
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: P3SQAS02R259027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

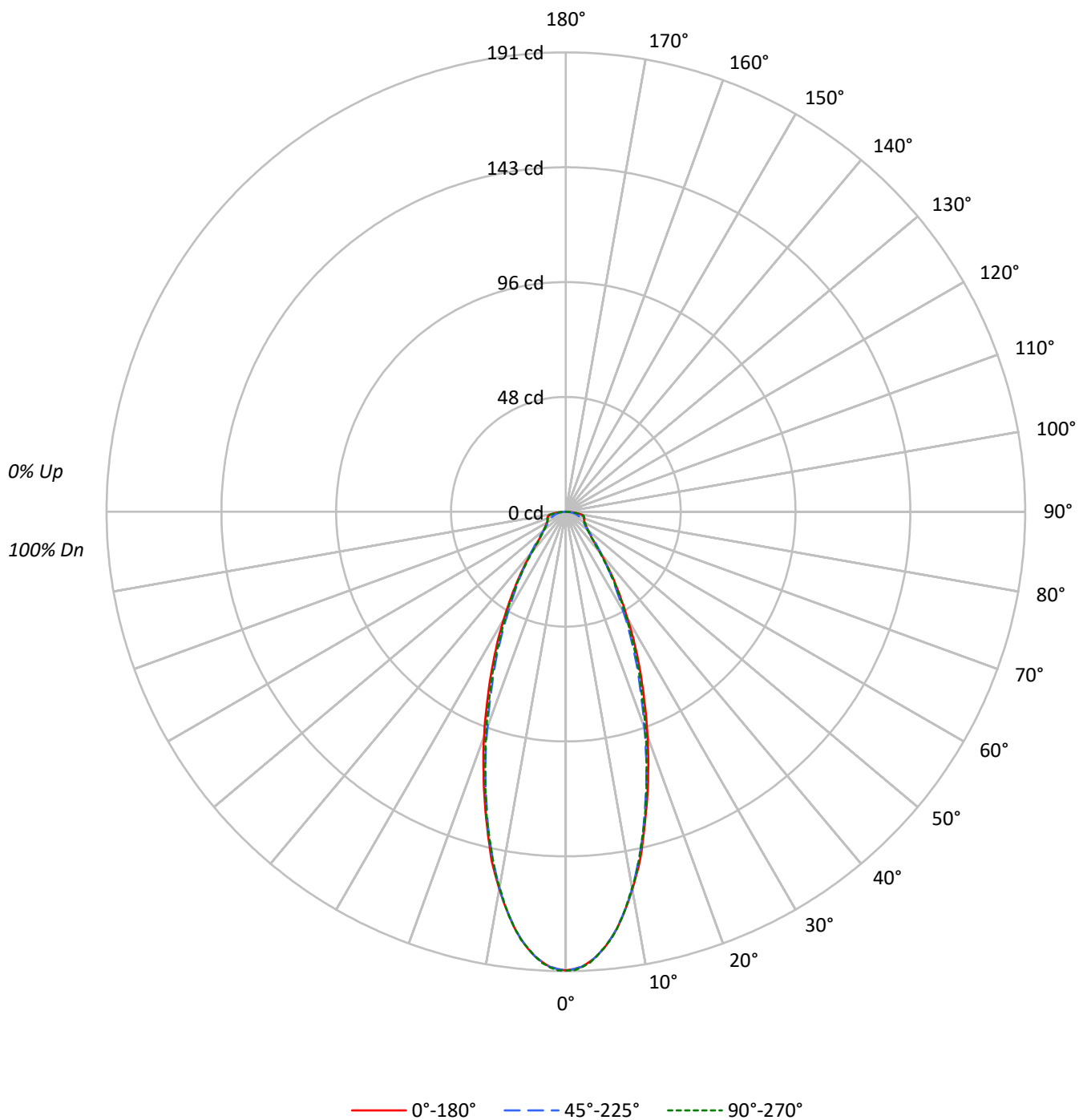
Lumens per Lamp: N/A
Luminaire Lumens: 144.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	32843	32843	32843
5°	31499	31464	31464
10°	27858	27806	27736
15°	23000	22680	22804
20°	18218	17466	17759
25°	13872	13150	13492
30°	10222	9506	9904
35°	7317	6980	7085
40°	5014	5126	4856
45°	3702	3946	3653
50°	3242	3242	3162
55°	3063	2943	3063
60°	3134	2893	3134
65°	3423	2975	3423
70°	4129	2971	4028
75°	5124	3194	5124
80°	6546	3372	6050
85°	5335	3162	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6546 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	11.6
10°-20°	35.4	24.6
20°-30°	32.4	22.5
30°-40°	21.4	14.8
40°-50°	12.4	8.6
50°-60°	9.1	6.3
60°-70°	7.7	5.3
70°-80°	6.4	4.4
80°-90°	2.6	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°	84.4	58.6
0°-40°	105.8	73.4
0°-60°	127.3	88.4
0°-90°	144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	191	191	191	191	191	
5°	182	182	182	182	182	17
15°	129	129	127	128	128	36
25°	73	71	69	69	71	34
35°	35	34	33	33	34	22
45°	15	16	16	15	15	12
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
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°	190.7	190.7	190.7	190.7	190.7
1°	190.2	190.2	190.2	190.2	190.7
2°	189.3	189.1	189.3	189.3	189.5
3°	187.5	187.5	187.5	187.5	187.9
4°	185.2	185.2	185.2	185.2	185.2
5°	182.2	182.0	182.0	182.2	182.0
6°	178.6	178.6	178.6	178.6	178.8
7°	174.5	174.3	174.3	174.1	174.5
8°	169.7	169.7	169.5	169.3	169.7
9°	164.7	165.0	164.5	164.3	164.3
10°	159.3	159.0	159.0	159.0	158.6
11°	153.8	153.1	152.9	152.9	153.4
12°	148.3	147.2	146.8	146.8	146.8
13°	141.7	141.3	140.6	140.2	140.4
14°	135.2	135.2	134.0	134.0	134.5
15°	129.0	128.6	127.2	127.6	127.9
17.5°	113.8	112.9	111.3	111.3	111.5
20°	99.4	97.8	95.3	96.5	96.9
22.5°	85.3	83.7	81.2	82.4	82.8
25°	73.0	71.0	69.2	69.4	71.0
27.5°	61.9	59.6	57.8	58.5	59.4
30°	51.4	50.1	47.8	48.9	49.8
32.5°	42.5	41.4	39.8	40.5	41.4
35°	34.8	34.1	33.2	33.2	33.7
37.5°	28.2	28.0	27.5	27.3	27.1
40°	22.3	22.8	22.8	22.3	21.6
42.5°	18.2	18.7	19.1	18.2	17.5
45°	15.2	15.7	16.2	15.2	15.0
47.5°	13.4	13.7	13.9	13.4	13.2
50°	12.1	12.1	12.1	11.8	11.8
52.5°	11.1	10.9	10.7	10.9	10.9
55°	10.2	10.2	9.8	10.0	10.2
57.5°	9.6	9.3	9.1	9.3	9.6
60°	9.1	8.6	8.4	8.6	9.1
62.5°	8.6	8.2	7.7	8.2	8.6
65°	8.4	7.7	7.3	7.7	8.4
67.5°	8.2	7.3	6.6	7.3	8.2
70°	8.2	6.8	5.9	6.8	8.0
72.5°	8.0	6.4	5.5	6.4	8.0
75°	7.7	5.9	4.8	5.9	7.7
77.5°	7.5	5.5	4.1	5.5	7.3
80°	6.6	5.0	3.4	5.0	6.1
82.5°	4.8	4.1	2.7	4.1	4.6
85°	2.7	3.0	1.6	3.0	2.7
87.5°	0.5	0.7	0.5	1.1	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)