

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: P1312928

Luminaire Tested: P3SQAS02R309730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

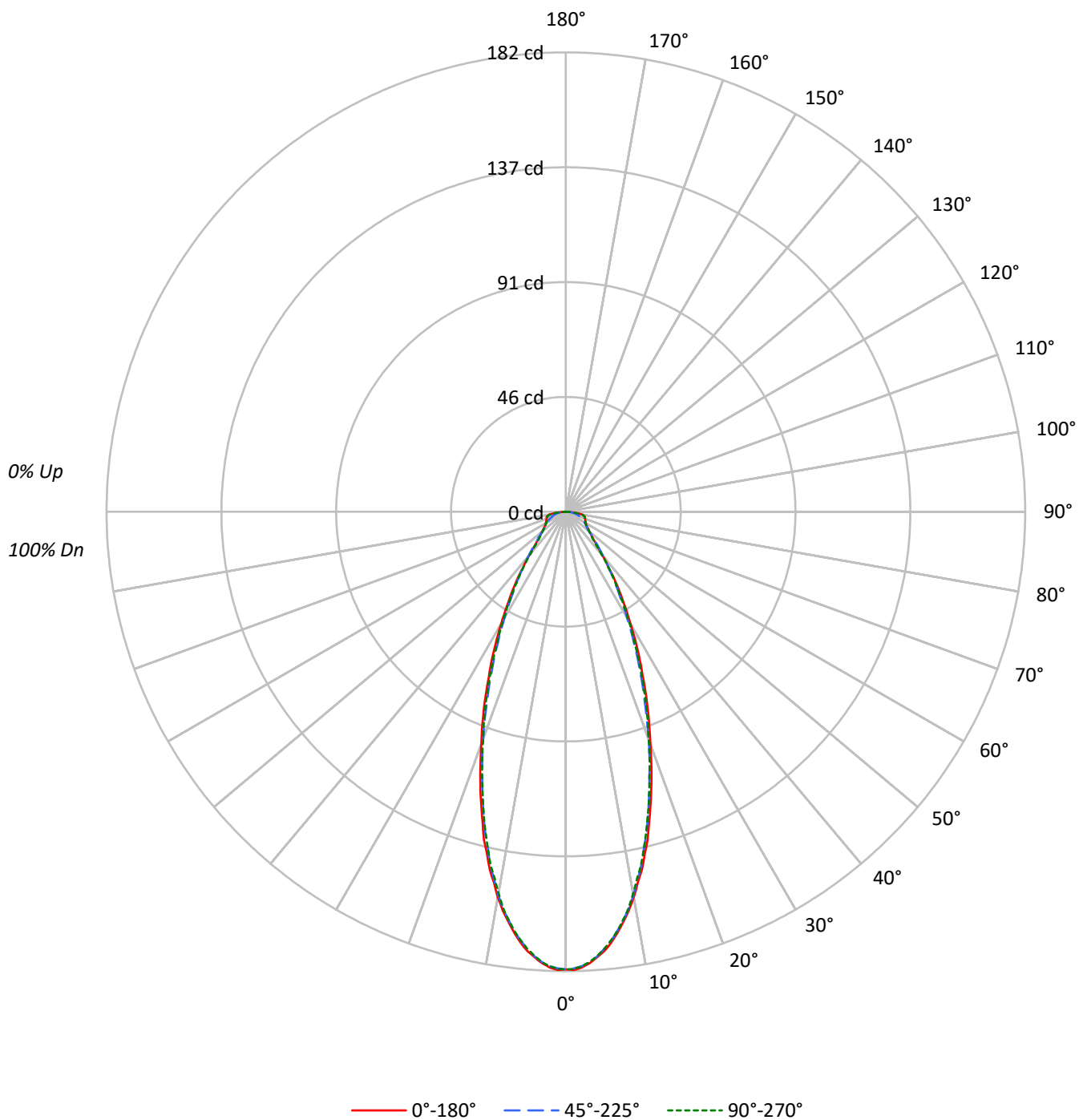
Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	59	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31224	31224	31224
5°	30220	30064	30064
10°	27124	26966	26844
15°	22733	22376	22341
20°	17943	17576	17576
25°	13739	13188	13435
30°	10182	9665	9884
35°	7359	7043	7085
40°	5081	5171	4924
45°	3775	3946	3629
50°	3296	3215	3215
55°	3093	2973	3033
60°	3169	2928	3100
65°	3464	2934	3382
70°	4079	2971	3978
75°	5257	3194	5124
80°	6546	3471	6050
85°	5138	3557	4742

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°	16.0	11.2
10°-20°	34.8	24.3
20°-30°	32.4	22.7
30°-40°	21.5	15.0
40°-50°	12.5	8.7
50°-60°	9.1	6.4
60°-70°	7.7	5.4
70°-80°	6.4	4.5
80°-90°	2.7	1.9
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°	83.2	58.1
0°-40°	104.6	73.2
0°-60°	126.3	88.3
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	181	181	181	181	181	
5°	175	174	174	174	174	16
15°	128	126	126	125	125	35
25°	72	71	69	70	71	33
35°	35	34	34	34	34	22
45°	16	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	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	181.3	181.3	181.3	181.3	181.3
1°	181.6	181.3	180.9	181.1	181.1
2°	180.7	180.5	180.2	180.2	180.2
3°	179.1	178.9	178.7	178.7	178.7
4°	177.0	176.7	176.7	176.5	176.5
5°	174.8	174.5	173.9	173.9	173.9
6°	171.7	171.5	171.0	170.8	170.8
7°	168.0	168.0	167.3	167.1	167.3
8°	164.0	163.8	163.4	163.2	163.2
9°	159.9	159.2	159.2	158.6	159.0
10°	155.1	154.6	154.2	153.7	153.5
11°	149.6	149.4	148.7	148.3	148.0
12°	145.0	143.9	143.5	142.8	143.2
13°	139.1	138.4	137.3	137.1	137.3
14°	134.0	132.7	131.8	131.4	131.2
15°	127.5	126.1	125.5	125.3	125.3
17.5°	112.8	111.9	110.2	110.2	110.2
20°	97.9	97.0	95.9	95.7	95.9
22.5°	85.0	83.4	81.7	81.9	83.2
25°	72.3	71.0	69.4	69.6	70.7
27.5°	61.5	59.8	58.3	58.7	59.4
30°	51.2	50.2	48.6	49.1	49.7
32.5°	42.5	41.8	40.1	40.5	41.2
35°	35.0	34.4	33.5	33.7	33.7
37.5°	28.0	28.0	27.8	27.6	27.4
40°	22.6	23.0	23.0	22.3	21.9
42.5°	18.4	18.8	19.3	18.4	17.7
45°	15.5	15.8	16.2	15.3	14.9
47.5°	13.6	13.6	14.0	13.4	13.1
50°	12.3	12.3	12.0	11.8	12.0
52.5°	11.2	11.0	10.7	11.0	11.0
55°	10.3	10.1	9.9	10.1	10.1
57.5°	9.6	9.4	9.2	9.2	9.4
60°	9.2	8.8	8.5	8.8	9.0
62.5°	8.8	8.1	7.9	8.1	8.5
65°	8.5	7.7	7.2	7.7	8.3
67.5°	8.3	7.2	6.6	7.2	8.1
70°	8.1	6.8	5.9	6.8	7.9
72.5°	7.9	6.4	5.5	6.4	7.9
75°	7.9	5.9	4.8	5.9	7.7
77.5°	7.4	5.5	4.2	5.5	7.2
80°	6.6	5.0	3.5	4.8	6.1
82.5°	4.8	4.4	2.6	4.2	4.6
85°	2.6	3.1	1.8	2.8	2.4
87.5°	0.4	0.7	0.4	1.3	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)