

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: P1312879

Luminaire Tested: P3SQAS02R159730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312879
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: P3SQAS02R159730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

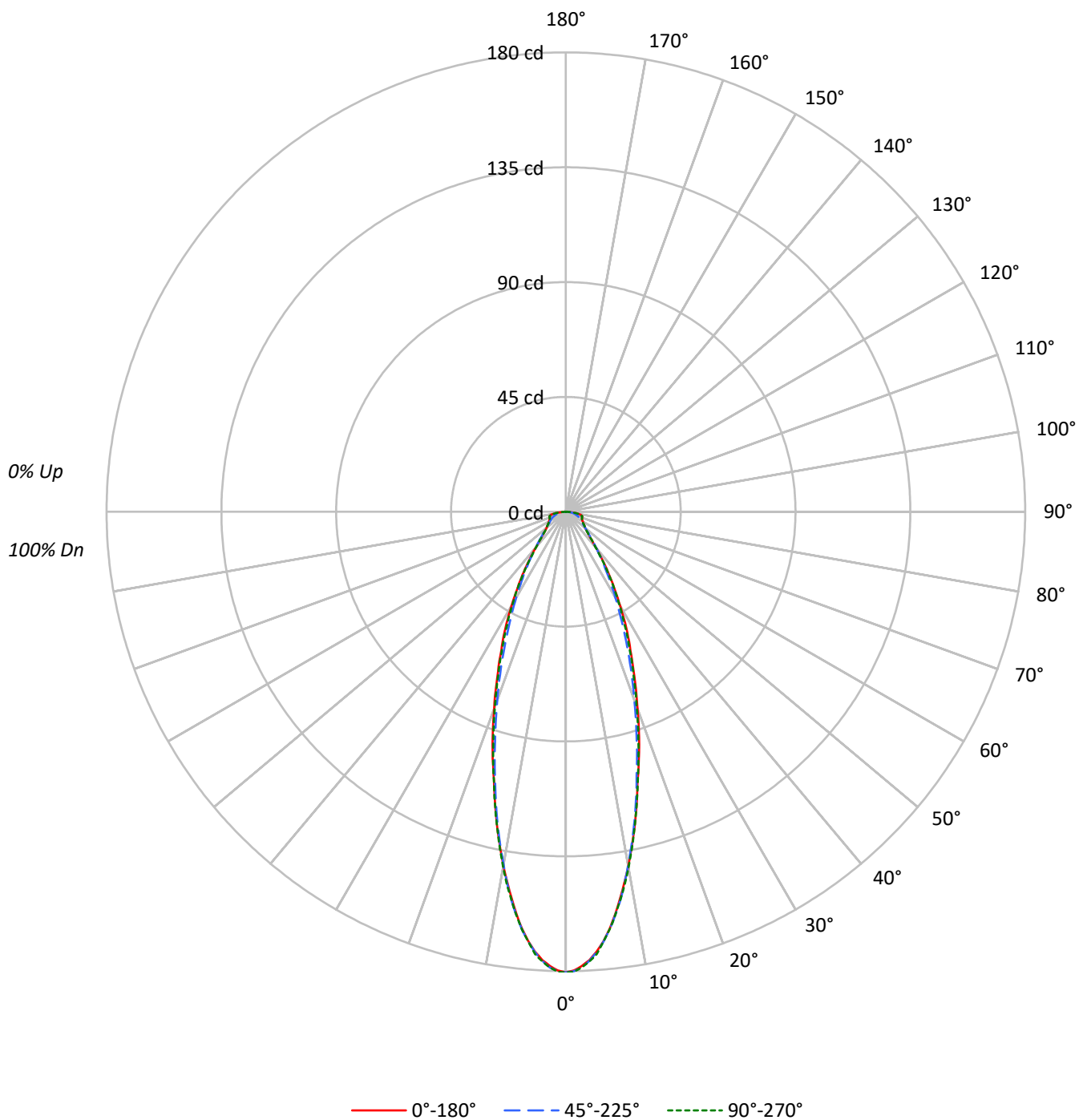
Lumens per Lamp: N/A
Luminaire Lumens: 121.0 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	31086	31086	31086
5°	29200	29234	29234
10°	24658	24588	24745
15°	19399	19114	19434
20°	15065	14387	14864
25°	11383	10584	11212
30°	8452	7716	8293
35°	6034	5635	5950
40°	4092	4137	4047
45°	3044	3215	3044
50°	2653	2653	2653
55°	2582	2432	2582
60°	2652	2411	2583
65°	2853	2486	2853
70°	3424	2518	3424
75°	4392	2595	4392
80°	5455	2876	5256
85°	4347	2569	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	12.6
10°-20°	30.1	24.9
20°-30°	26.6	22.0
30°-40°	17.5	14.4
40°-50°	10.2	8.4
50°-60°	7.5	6.2
60°-70°	6.4	5.3
70°-80°	5.3	4.4
80°-90°	2.2	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°	71.9	59.4
0°-40°	89.4	73.9
0°-60°	107.1	88.5
0°-90°	121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	180	180	180	180	180	
5°	169	169	169	169	169	15
15°	109	109	107	109	109	30
25°	60	58	56	57	59	28
35°	29	28	27	27	28	18
45°	12	13	13	13	12	10
55°	9	8	8	8	9	8
65°	7	6	6	6	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	180.5	180.5	180.5	180.5	180.5
1°	179.8	180.1	180.1	180.3	180.3
2°	178.1	178.5	178.7	178.7	178.7
3°	175.9	176.1	176.3	176.5	176.5
4°	172.8	173.0	173.0	173.5	173.7
5°	168.9	168.9	169.1	169.3	169.1
6°	164.3	164.3	164.5	164.5	164.5
7°	158.8	159.0	159.2	159.4	159.2
8°	152.9	153.1	153.7	153.7	153.5
9°	146.9	147.2	147.2	147.8	147.8
10°	141.0	141.0	140.6	141.0	141.5
12.5°	125.0	124.8	124.1	124.8	125.2
15°	108.8	108.8	107.2	108.6	109.0
17.5°	95.6	93.6	92.1	93.4	94.5
20°	82.2	80.3	78.5	79.8	81.1
22.5°	70.2	68.6	66.5	67.8	69.3
25°	59.9	57.9	55.7	57.2	59.0
27.5°	51.3	48.7	46.5	48.2	49.8
30°	42.5	40.8	38.8	40.1	41.7
32.5°	35.1	33.8	32.2	33.3	34.7
35°	28.7	27.6	26.8	27.4	28.3
37.5°	23.0	22.6	22.2	22.4	22.4
40°	18.2	18.4	18.4	18.4	18.0
42.5°	14.9	15.1	15.6	15.1	14.9
45°	12.5	12.7	13.2	12.7	12.5
47.5°	11.0	11.2	11.4	11.0	11.0
50°	9.9	9.9	9.9	9.9	9.9
52.5°	9.2	9.0	9.0	9.0	9.2
55°	8.6	8.3	8.1	8.3	8.6
57.5°	7.9	7.7	7.5	7.7	7.9
60°	7.7	7.2	7.0	7.2	7.5
62.5°	7.2	6.8	6.6	6.8	7.2
65°	7.0	6.4	6.1	6.4	7.0
67.5°	6.8	5.9	5.5	5.9	6.8
70°	6.8	5.5	5.0	5.7	6.8
72.5°	6.6	5.3	4.4	5.3	6.6
75°	6.6	4.8	3.9	5.0	6.6
77.5°	6.1	4.4	3.3	4.6	6.1
80°	5.5	3.9	2.9	4.2	5.3
82.5°	3.9	3.3	2.2	3.3	3.9
85°	2.2	2.4	1.3	2.2	2.4
87.5°	0.2	0.7	0.4	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)