

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: P1312943

Luminaire Tested: P3SQAS02R359730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

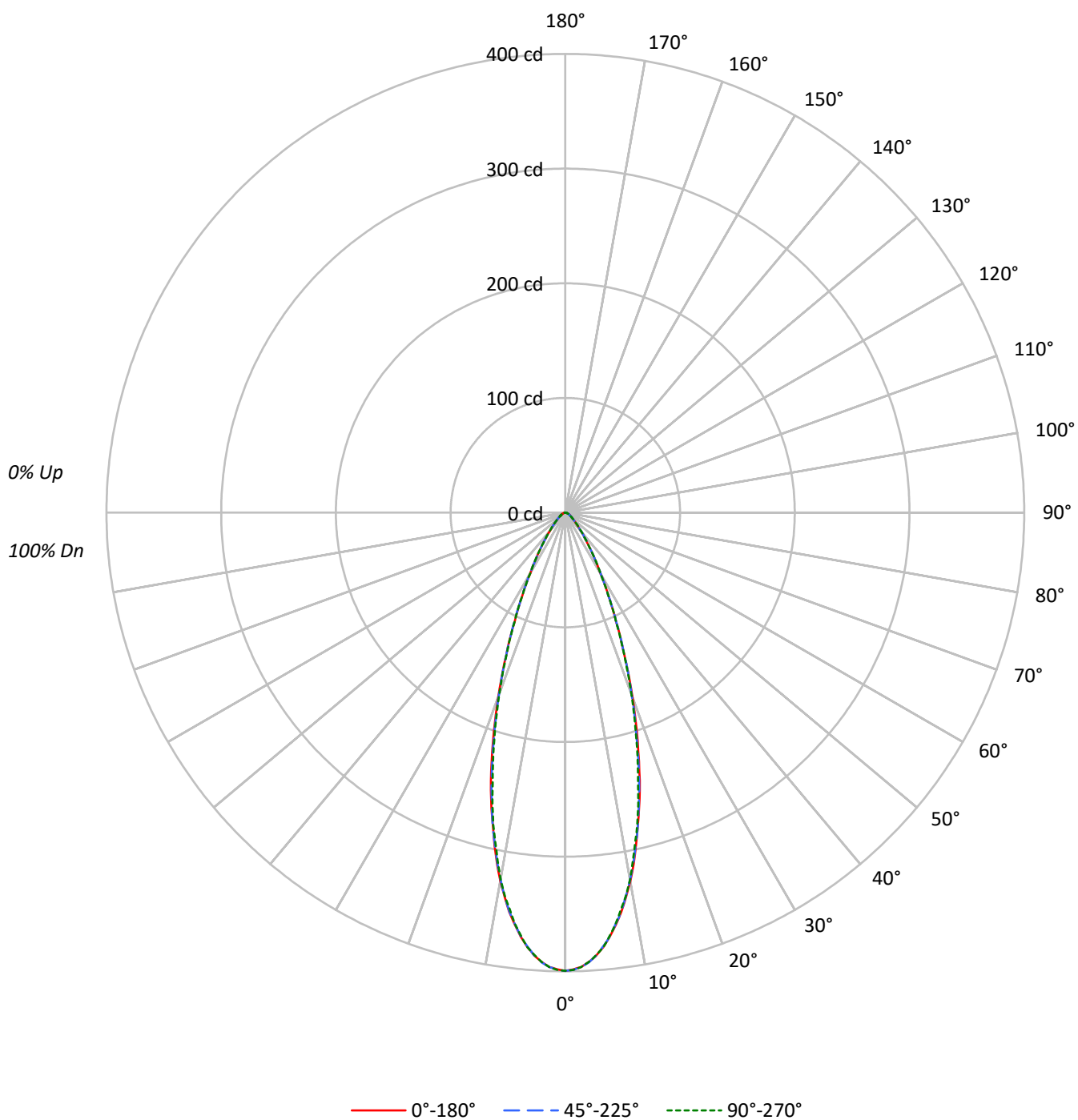
Lumens per Lamp: N/A
Luminaire Lumens: 197.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68803	68803	68803
5°	65729	65625	65729
10°	57063	56871	56801
15°	44717	44361	43665
20°	31285	31010	30809
25°	19877	19991	19877
30°	12250	12330	12250
35°	7569	7611	7611
40°	4811	4856	4856
45°	3239	3288	3361
50°	2331	2385	2385
55°	1832	1832	1832
60°	1516	1516	1516
65°	1345	1345	1345
70°	1209	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3361 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	17.5
10°-20°	68.0	34.5
20°-30°	49.0	24.9
30°-40°	23.6	12.0
40°-50°	10.9	5.5
50°-60°	5.6	2.9
60°-70°	3.3	1.7
70°-80°	1.7	0.8
80°-90°	0.4	0.2
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°	151.5	76.9
0°-40°	175.2	88.9
0°-60°	191.7	97.3
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	380	381	380	380	380	35
15°	251	250	249	248	245	68
25°	105	105	105	105	105	49
35°	36	36	36	36	36	24
45°	13	14	14	14	14	11
55°	6	6	6	6	6	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	399.5	399.5	399.5	399.5	399.5
1°	398.4	399.0	398.8	399.0	398.8
2°	396.4	396.8	396.4	396.6	396.6
3°	392.3	392.7	392.7	392.5	392.3
4°	387.2	388.3	387.2	387.4	386.8
5°	380.2	381.1	379.6	379.8	380.2
6°	371.7	372.0	371.5	371.3	370.9
7°	361.9	362.8	361.3	361.5	361.0
8°	351.4	351.2	351.2	350.3	349.0
9°	338.8	339.6	338.3	337.9	338.1
10°	326.3	326.3	325.2	324.1	324.8
11°	312.1	311.7	311.1	309.5	309.1
12°	296.6	297.5	295.6	294.9	293.4
13°	280.7	282.0	281.1	278.7	279.0
14°	265.9	265.0	264.3	263.9	262.4
15°	250.8	250.4	248.8	247.7	244.9
17.5°	209.6	210.0	207.1	206.7	205.6
20°	170.7	169.4	169.2	169.4	168.1
22.5°	134.7	136.0	134.5	134.7	133.8
25°	104.6	104.8	105.2	105.2	104.6
27.5°	81.2	81.2	80.8	81.2	80.5
30°	61.6	61.6	62.0	62.4	61.6
32.5°	47.6	47.6	47.6	47.8	48.0
35°	36.0	36.0	36.2	36.2	36.2
37.5°	27.7	27.9	28.2	28.2	28.2
40°	21.4	21.6	21.6	21.8	21.6
42.5°	17.0	17.0	17.0	17.2	17.2
45°	13.3	13.5	13.5	13.8	13.8
47.5°	10.9	10.9	10.9	11.1	11.1
50°	8.7	8.9	8.9	8.9	8.9
52.5°	7.2	7.2	7.4	7.4	7.4
55°	6.1	6.1	6.1	6.1	6.1
57.5°	5.0	5.2	5.2	5.2	5.2
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.3	3.3	3.3	3.3	3.3
67.5°	2.6	2.8	2.8	2.8	2.8
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.7	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.3	1.1	1.1	1.1	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)