

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: P1309130

Luminaire Tested: P3SQAS13R309035DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309035DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

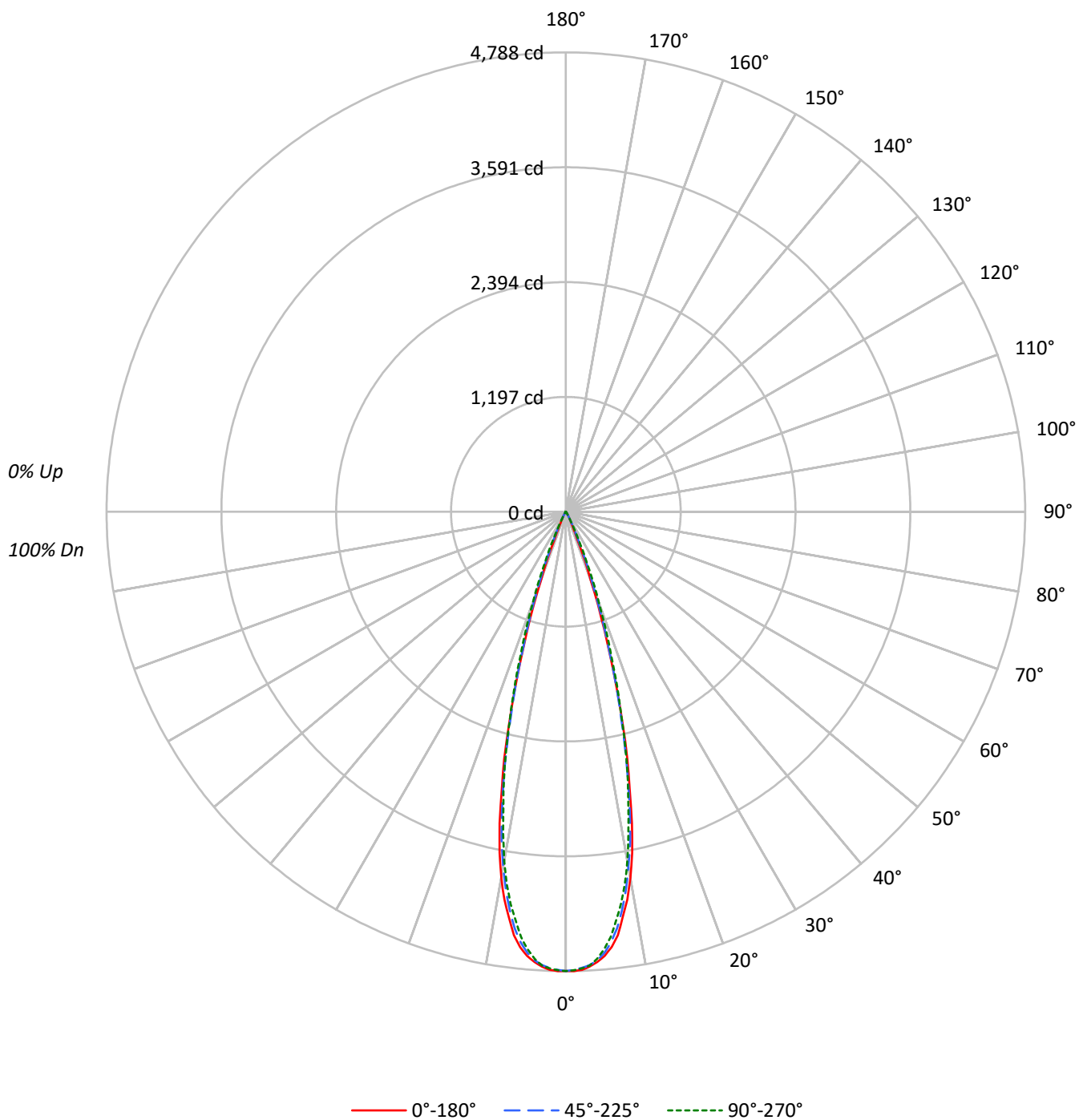
Lumens per Lamp: N/A
Luminaire Lumens: 1160.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	824499	824499	824499
5°	803272	797740	791170
10°	677885	657075	646407
15°	408516	397105	404416
20°	138575	160018	184577
25°	25464	39906	47127
30°	8750	9744	10938
35°	2523	3154	3364
40°	674	1124	899
45°	244	244	244
50°	268	0	268
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 283 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.0	35.7
10°-20°	605.0	52.2
20°-30°	128.0	11.0
30°-40°	11.8	1.0
40°-50°	1.1	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1147.0	98.9
0°-40°	1158.8	99.9
0°-60°	1160.0	100.0
0°-90°	1160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4787	4787	4787	4787	4787	
5°	4646	4637	4614	4600	4576	420
15°	2291	2283	2227	2279	2268	604
25°	134	150	210	247	248	98
35°	12	15	15	18	16	10
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	4787.4	4787.4	4787.4	4787.4	4787.4
1°	4788.4	4783.4	4776.4	4786.4	4779.4
2°	4778.4	4766.4	4756.4	4766.4	4763.4
3°	4748.4	4738.4	4731.4	4736.4	4736.4
4°	4703.4	4692.4	4686.4	4687.4	4672.4
5°	4646.4	4637.4	4614.4	4600.4	4576.4
6°	4562.3	4540.3	4512.3	4489.3	4458.3
7°	4448.3	4414.3	4374.3	4334.3	4295.3
8°	4265.3	4249.3	4195.3	4168.3	4129.3
9°	4093.3	4054.3	3996.3	3952.3	3931.3
10°	3876.3	3818.3	3757.3	3722.3	3696.3
11°	3619.3	3560.3	3511.3	3460.3	3420.3
12°	3317.3	3267.3	3211.2	3177.2	3130.2
13°	2959.2	2952.2	2889.2	2878.2	2872.2
14°	2652.2	2624.2	2562.2	2579.2	2583.2
15°	2291.2	2283.2	2227.2	2279.2	2268.2
17.5°	1435.1	1438.1	1473.1	1555.1	1581.1
20°	756.1	779.1	873.1	972.1	1007.1
22.5°	306.0	357.0	453.0	520.0	565.0
25°	134.0	150.0	210.0	247.0	248.0
27.5°	76.0	77.0	101.0	105.0	107.0
30°	44.0	45.0	49.0	52.0	55.0
32.5°	24.0	26.0	27.0	31.0	31.0
35°	12.0	15.0	15.0	18.0	16.0
37.5°	7.0	8.0	9.0	9.0	8.0
40°	3.0	4.0	5.0	5.0	4.0
42.5°	1.0	2.0	2.0	2.0	3.0
45°	1.0	1.0	1.0	1.0	1.0
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	0.0	0.0	0.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)