

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: P1316732

Luminaire Tested: P3SQAS02R509830DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R509830DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

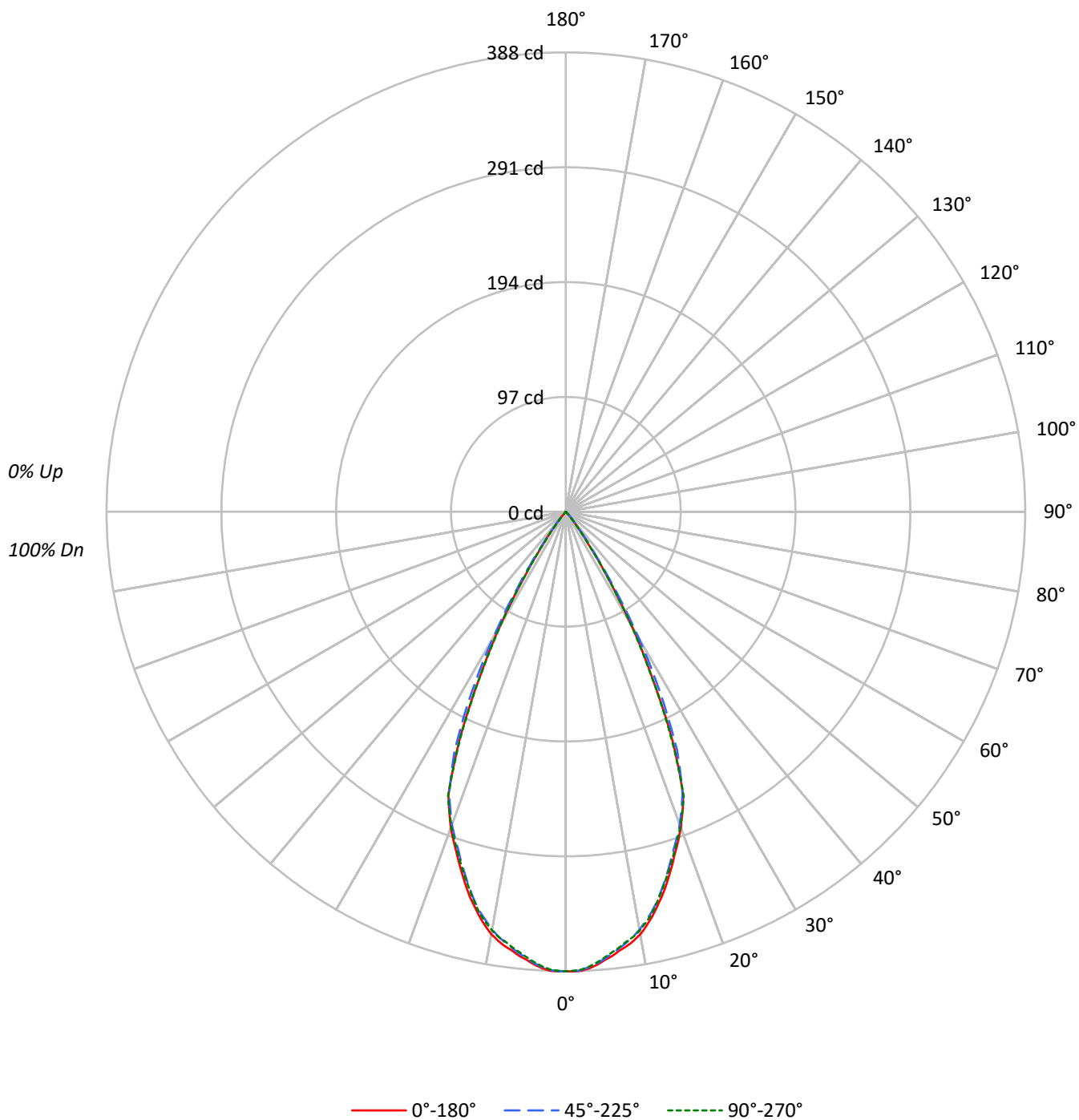
Lumens per Lamp: N/A
Luminaire Lumens: 250.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66857	66857	66857
5°	65695	65504	65332
10°	63359	62677	62799
15°	58286	57555	57715
20°	52050	51555	51849
25°	40514	42205	40058
30°	21935	24500	21557
35°	6917	8242	6770
40°	1529	2136	1439
45°	49	658	49
50°	0	107	0
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: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	14.2
10°-20°	90.4	36.1
20°-30°	95.2	38.1
30°-40°	27.2	10.9
40°-50°	1.7	0.7
50°-60°	0.0	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°	221.1	88.4
0°-40°	248.3	99.3
0°-60°	250.0	100.0
0°-90°	250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	388	388	388	388	388	
5°	380	380	379	379	378	36
15°	327	325	323	323	324	91
25°	213	221	222	220	211	93
35°	33	35	39	33	32	26
45°	0	1	3	1	0	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°	388.2	388.2	388.2	388.2	388.2
1°	388.4	388.6	388.2	388.6	387.7
2°	387.9	387.5	387.2	387.3	386.8
3°	385.9	385.7	385.0	385.2	384.5
4°	383.4	382.9	382.3	382.0	381.3
5°	380.0	379.6	378.9	378.6	377.9
6°	377.1	376.4	375.2	374.8	374.1
7°	373.4	373.0	371.4	371.1	370.7
8°	370.5	369.5	367.5	367.7	366.8
9°	366.8	365.3	363.4	363.4	363.6
10°	362.3	360.2	358.4	358.9	359.1
11°	356.4	355.0	352.3	353.5	353.5
12°	350.0	348.2	346.2	347.3	348.0
13°	342.4	341.0	339.2	340.3	339.9
14°	335.1	332.4	331.2	332.6	332.1
15°	326.9	324.7	322.8	323.3	323.7
17.5°	304.9	302.6	301.1	301.3	302.9
20°	284.0	283.1	281.3	282.0	282.9
22.5°	259.3	259.7	257.5	258.0	260.2
25°	213.2	221.0	222.1	219.6	210.8
27.5°	157.9	169.7	173.3	167.6	156.8
30°	110.3	113.6	123.2	112.3	108.4
32.5°	64.7	69.6	74.7	67.2	64.6
35°	32.9	35.2	39.2	33.3	32.2
37.5°	15.2	16.3	17.9	15.2	14.3
40°	6.8	8.0	9.5	7.7	6.4
42.5°	2.1	3.8	5.0	3.4	2.0
45°	0.2	0.9	2.7	0.9	0.2
47.5°	0.0	0.2	1.1	0.2	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)