

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: P1312972

Luminaire Tested: P3SQAS02R509730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R509730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

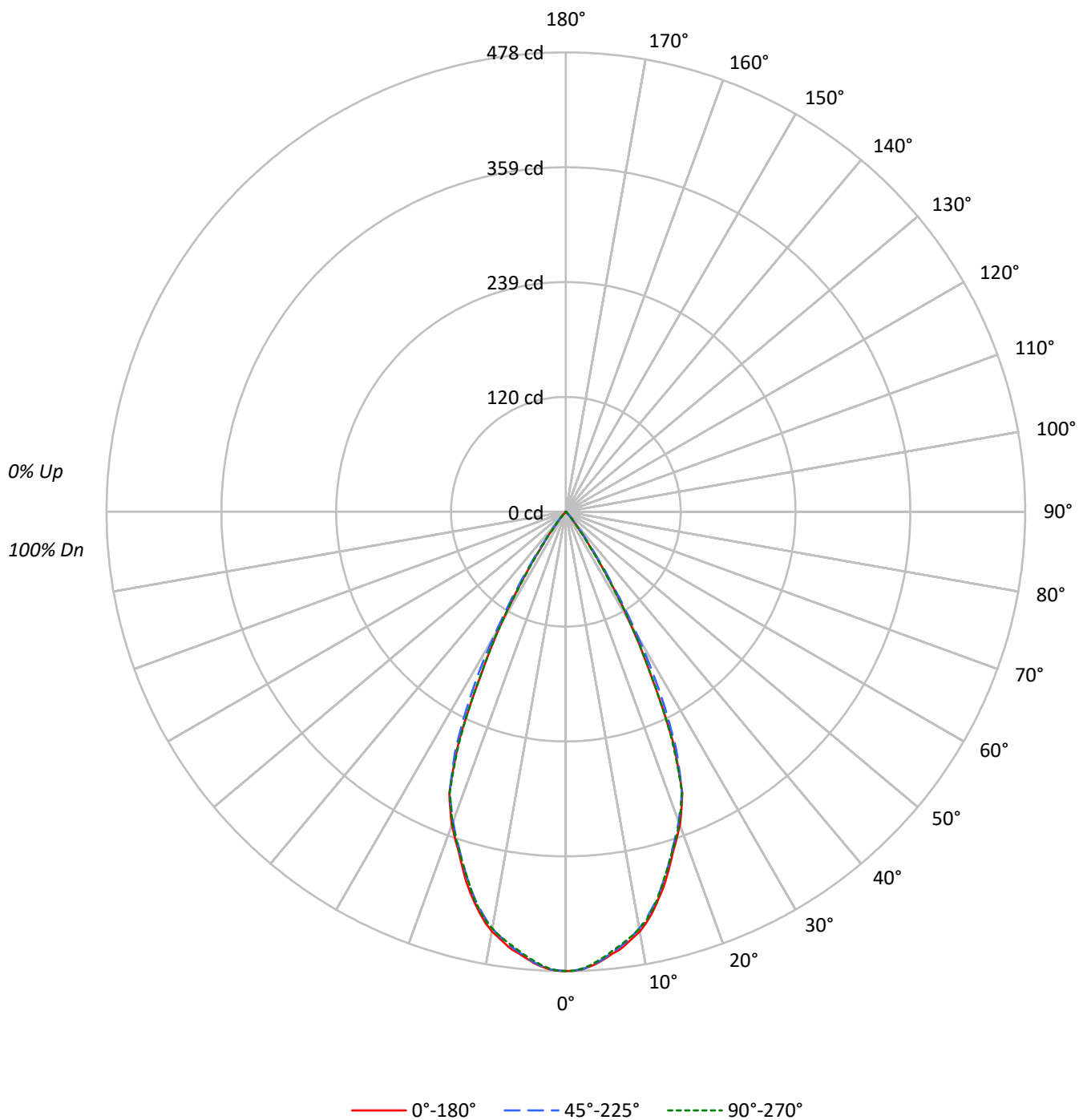
Lumens per Lamp: N/A
Luminaire Lumens: 308.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82305	82305	82305
5°	80701	80545	80320
10°	77542	76999	77034
15°	71177	70517	70446
20°	63597	62918	63230
25°	49977	51440	49559
30°	26747	29949	26827
35°	8725	10197	8221
40°	2158	2698	2068
45°	268	950	268
50°	188	295	188
55°	210	210	210
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	14.2
10°-20°	110.5	35.9
20°-30°	116.3	37.7
30°-40°	33.5	10.9
40°-50°	2.7	0.9
50°-60°	0.6	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	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°	270.5	87.8
0°-40°	304.0	98.7
0°-60°	307.3	99.8
0°-90°	308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	467	467	466	466	465	44
15°	399	397	396	396	395	111
25°	263	270	271	268	261	114
35°	42	43	48	42	39	32
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
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°	477.9	477.9	477.9	477.9	477.9
1°	477.7	478.2	477.3	478.8	477.5
2°	476.6	476.8	476.4	477.5	475.7
3°	474.0	474.4	473.6	474.4	472.9
4°	470.9	470.9	470.1	470.7	468.7
5°	466.8	466.6	465.9	466.3	464.6
6°	462.4	462.2	461.1	461.1	459.8
7°	459.1	457.6	456.7	456.5	455.2
8°	453.9	453.4	451.7	451.7	450.8
9°	448.6	448.2	446.2	446.7	446.0
10°	443.4	441.9	440.3	440.5	440.5
11°	436.4	435.1	432.9	433.8	434.2
12°	428.1	426.6	424.6	426.3	426.1
13°	418.9	417.6	416.1	417.4	416.9
14°	409.3	407.3	406.0	406.9	406.4
15°	399.2	396.6	395.5	395.5	395.1
17.5°	371.0	369.5	368.4	367.7	369.3
20°	347.0	345.7	343.3	343.9	345.0
22.5°	316.8	316.6	315.3	314.2	315.5
25°	263.0	269.6	270.7	267.6	260.8
27.5°	191.1	206.4	211.9	204.6	192.2
30°	134.5	141.7	150.6	136.4	134.9
32.5°	81.1	83.1	91.4	81.6	79.4
35°	41.5	43.1	48.5	41.5	39.1
37.5°	19.5	20.3	22.5	19.5	18.1
40°	9.6	10.7	12.0	10.1	9.2
42.5°	4.2	5.5	7.0	5.2	3.7
45°	1.1	2.2	3.9	2.2	1.1
47.5°	0.7	0.9	2.2	0.9	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.4	0.7	0.4	0.7	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	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)