

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: P1305479

Luminaire Tested: P3SQAS02R509024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305479
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: P3SQAS02R509024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

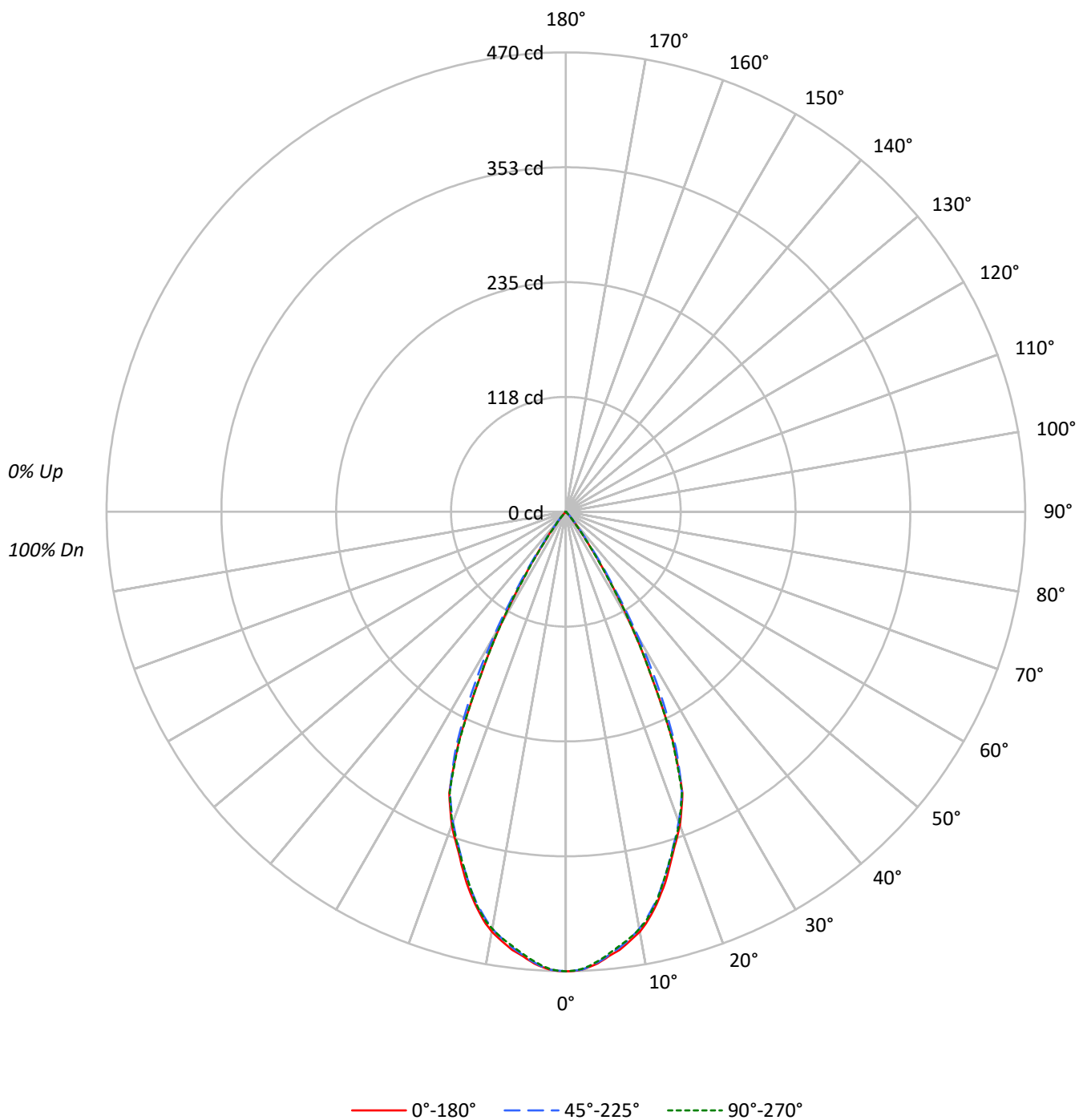
Lumens per Lamp: N/A
Luminaire Lumens: 302.9 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80979	80979	80979
5°	79387	79231	79024
10°	76282	75758	75793
15°	70018	69376	69304
20°	62552	61892	62204
25°	49160	50604	48761
30°	26310	29472	26389
35°	8599	10029	8094
40°	2136	2653	2023
45°	268	950	268
50°	161	295	161
55°	180	180	180
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°	43.0	14.2
10°-20°	108.7	35.9
20°-30°	114.4	37.8
30°-40°	33.0	10.9
40°-50°	2.7	0.9
50°-60°	0.5	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°	266.1	87.8
0°-40°	299.0	98.7
0°-60°	302.3	99.8
0°-90°	302.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	302.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	459	459	458	459	457	43
15°	393	390	389	389	389	109
25°	259	265	266	263	257	112
35°	41	42	48	41	38	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°	470.2	470.2	470.2	470.2	470.2
1°	470.0	470.4	469.5	471.0	469.7
2°	468.9	469.1	468.7	469.7	468.0
3°	466.3	466.7	465.9	466.7	465.2
4°	463.3	463.3	462.4	463.1	461.1
5°	459.2	459.0	458.3	458.8	457.1
6°	454.9	454.7	453.6	453.6	452.3
7°	451.7	450.2	449.3	449.1	447.8
8°	446.5	446.1	444.4	444.4	443.5
9°	441.4	440.9	439.0	439.4	438.8
10°	436.2	434.7	433.2	433.4	433.4
11°	429.3	428.0	425.9	426.7	427.2
12°	421.1	419.6	417.7	419.4	419.2
13°	412.1	410.8	409.3	410.6	410.2
14°	402.6	400.7	399.4	400.3	399.8
15°	392.7	390.2	389.1	389.1	388.7
17.5°	365.0	363.5	362.4	361.8	363.3
20°	341.3	340.0	337.7	338.3	339.4
22.5°	311.7	311.4	310.2	309.1	310.4
25°	258.7	265.2	266.3	263.3	256.6
27.5°	188.0	203.0	208.4	201.3	189.1
30°	132.3	139.4	148.2	134.2	132.7
32.5°	79.8	81.7	89.9	80.2	78.1
35°	40.9	42.4	47.7	40.9	38.5
37.5°	19.1	20.0	22.2	19.1	17.9
40°	9.5	10.5	11.8	9.9	9.0
42.5°	4.1	5.4	6.9	5.2	3.7
45°	1.1	2.2	3.9	2.2	1.1
47.5°	0.6	0.9	2.2	0.9	0.6
50°	0.6	0.6	1.1	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	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)