

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: P1245798

Luminaire Tested: P3A02R509024DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R509024DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

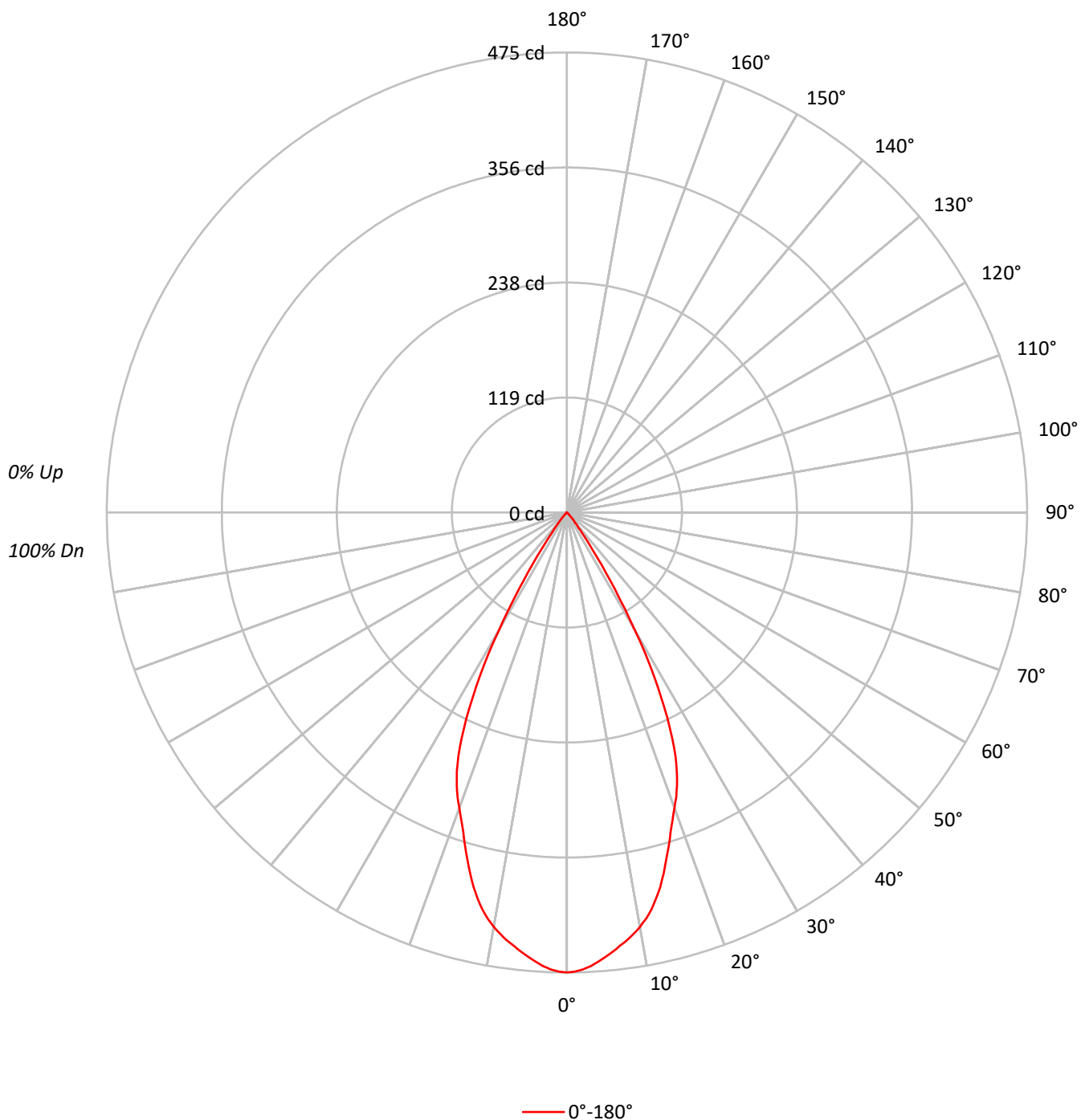
Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1245798

CATALOG NUMBER: P3A02R509024DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1245798

CATALOG NUMBER: P3A02R509024DE010 E3D1H

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	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	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	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		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°
0°	104136
5°	101364
10°	96725
15°	87583
20°	75770
25°	62157
30°	35702
35°	11082
40°	2977
45°	1054
50°	239
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1054 cd/sqm

TEST NUMBER: P1245798

CATALOG NUMBER: P3A02R509024DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	14.5
10°-20°	106.9	35.9
20°-30°	112.4	37.7
30°-40°	32.2	10.8
40°-50°	3.1	1.1
50°-60°	0.2	0.1
60°-70°	0.1	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°	262.4	88.0
0°-40°	294.5	98.8
0°-60°	297.9	100.0
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	475	
5°	460	43
15°	386	107
25°	257	112
35°	41	32
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1245798

CATALOG NUMBER: P3A02R509024DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	474.9
1°	474.2
2°	472.1
3°	469.0
4°	464.9
5°	460.5
6°	455.8
7°	450.7
8°	446.0
9°	440.5
10°	434.4
11°	427.4
12°	419.3
13°	409.2
14°	398.3
15°	385.8
16°	372.5
17°	359.7
18°	346.5
19°	335.0
20°	324.7
21°	314.8
22°	303.5
23°	290.6
24°	275.5
25°	256.9
26°	236.7
27°	214.2
28°	191.8
29°	167.6
30°	141.0
31°	116.1
32°	93.2
32.5°	83.2
33°	73.1
34°	56.0
35°	41.4
36°	30.4
37°	22.6
37.5°	19.6
38°	16.9
39°	13.1
40°	10.4
42.5°	5.9
45°	3.4

TEST NUMBER: P1245798

CATALOG NUMBER: P3A02R509024DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.9
50°	0.7
52.5°	0.3
55°	0.2
57.5°	0.2
60°	0.1
62.5°	0.1
65°	0.1
67.5°	0.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)