

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: P1264409

Luminaire Tested: P3A05R559730DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R559730DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

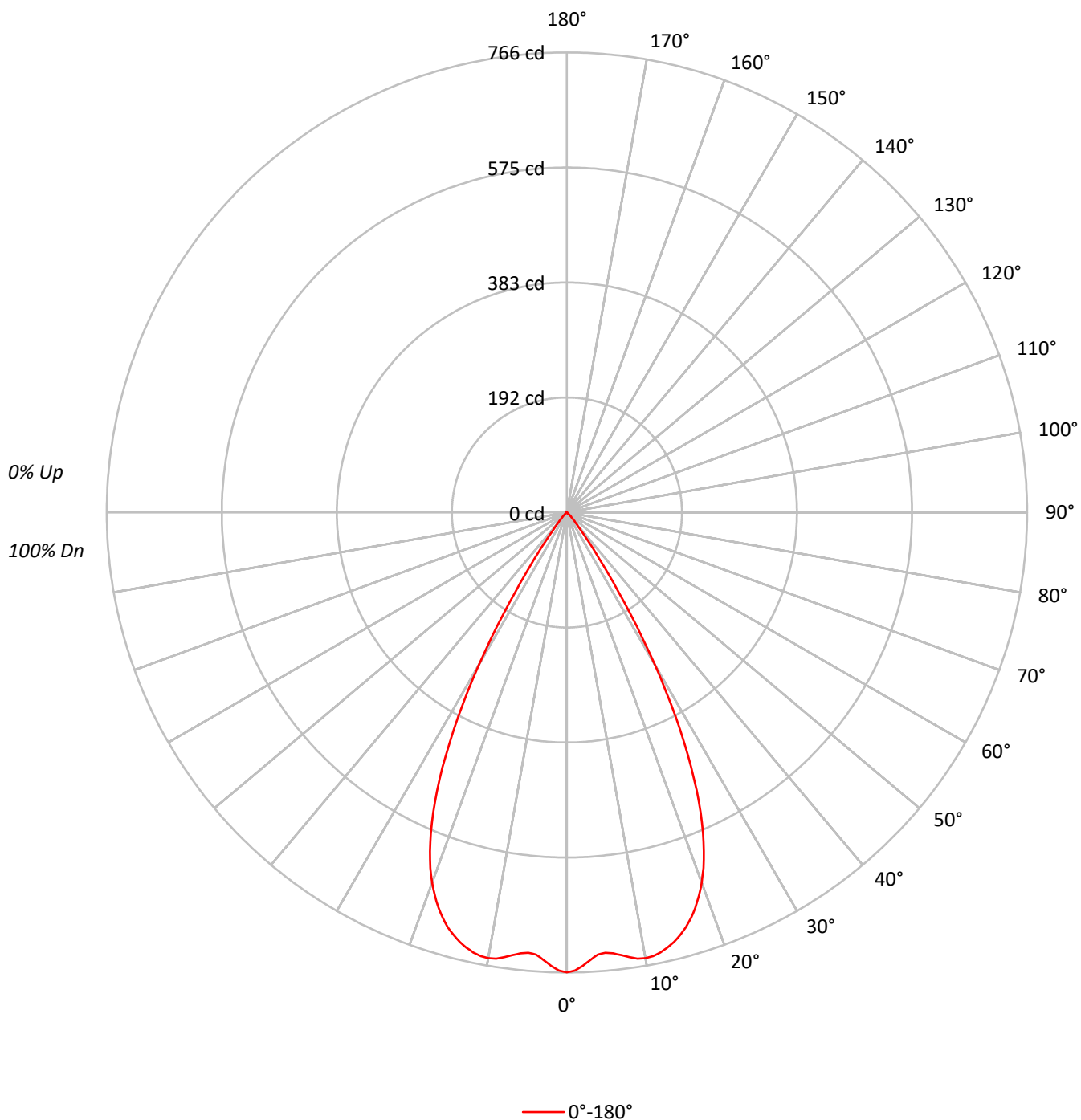
Lumens per Lamp: N/A
Luminaire Lumens: 578.9 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1264409

CATALOG NUMBER: P3A05R559730DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1264409

CATALOG NUMBER: P3A05R559730DE010 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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167903
5°	161963
10°	167755
15°	165381
20°	153057
25°	123781
30°	74189
35°	25136
40°	6927
45°	3070
50°	887
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3070 cd/sqm

TEST NUMBER: P1264409

CATALOG NUMBER: P3A05R559730DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	12.3
10°-20°	202.8	35.0
20°-30°	225.5	38.9
30°-40°	70.2	12.1
40°-50°	8.4	1.5
50°-60°	0.6	0.1
60°-70°	0.2	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°	499.5	86.3
0°-40°	569.7	98.4
0°-60°	578.7	100.0
0°-90°	578.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	766	
5°	736	71
15°	728	203
25°	512	225
35°	94	70
45°	10	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1264409

CATALOG NUMBER: P3A05R559730DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	765.7
1°	762.8
2°	755.4
3°	746.1
4°	737.8
5°	735.8
6°	738.0
7°	742.6
8°	747.9
9°	752.1
10°	753.4
11°	752.5
12°	749.0
13°	743.5
14°	737.1
15°	728.5
16°	718.6
17°	706.1
18°	692.0
19°	675.1
20°	655.9
21°	634.2
22°	608.4
23°	580.0
24°	547.5
25°	511.6
26°	472.3
27°	430.5
28°	385.8
29°	339.8
30°	293.0
31°	245.9
32°	199.9
32.5°	179.5
33°	158.4
34°	122.5
35°	93.9
36°	71.5
37°	53.0
37.5°	45.3
38°	39.4
39°	29.9
40°	24.2
42.5°	15.4
45°	9.9



TEST NUMBER: P1264409
CATALOG NUMBER: P3A05R559730DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	5.9
50°	2.6
52.5°	0.9
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
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)