

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: P1254806

Luminaire Tested: P3AS13R559035DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1254806
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: P3AS13R559035DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

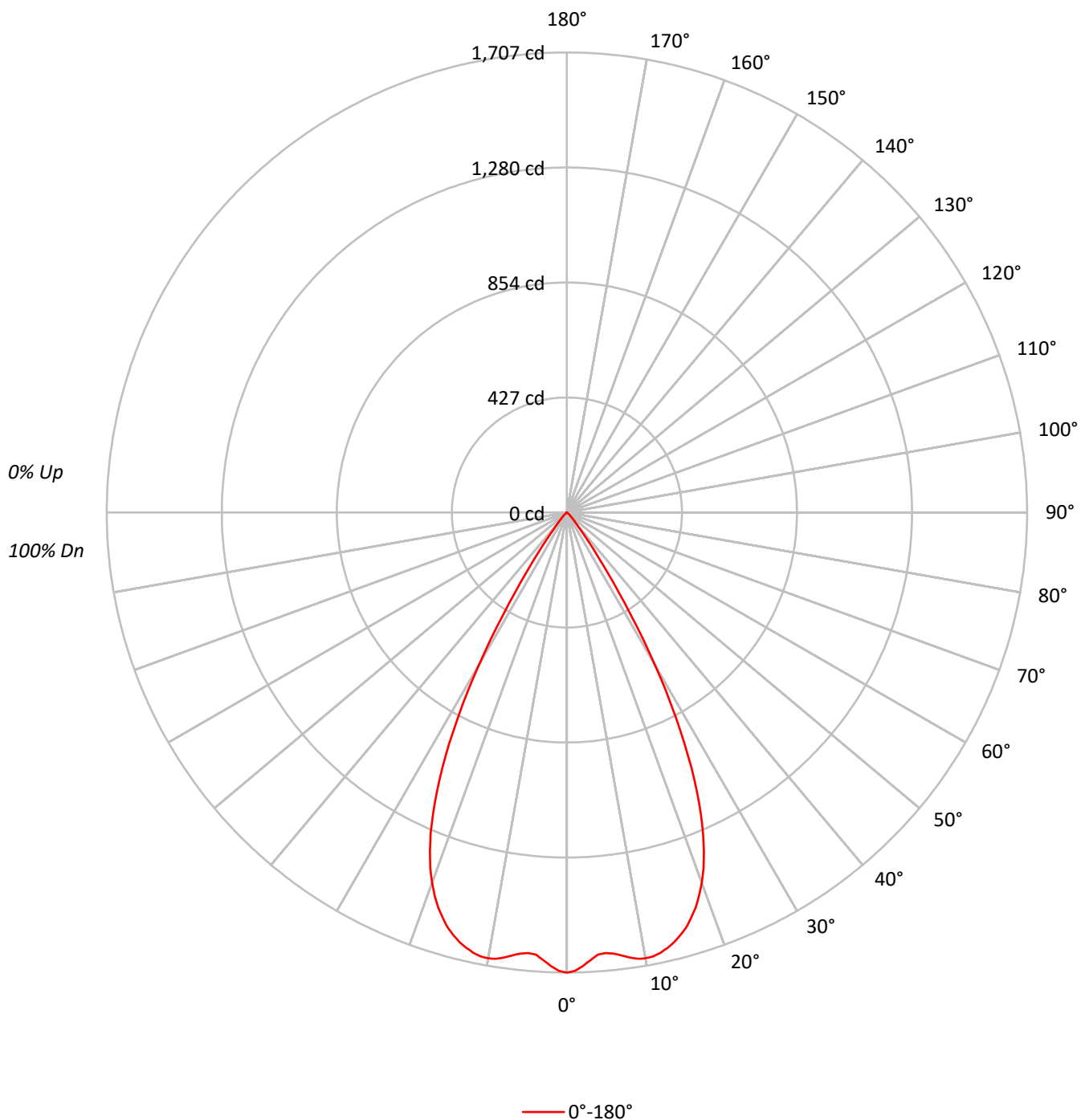
Lumens per Lamp: N/A
Luminaire Lumens: 1291.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1254806

CATALOG NUMBER: P3AS13R559035DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1254806

CATALOG NUMBER: P3AS13R559035DE010 E3D1LI

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	82	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°	374378
5°	361126
10°	374030
15°	368765
20°	341280
25°	276016
30°	165418
35°	56055
40°	15458
45°	6853
50°	2013
55°	382
60°	219
65°	259
70°	321
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6853 cd/sqm

TEST NUMBER: P1254806

CATALOG NUMBER: P3AS13R559035DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	12.3
10°-20°	452.3	35.0
20°-30°	502.7	38.9
30°-40°	156.5	12.1
40°-50°	18.8	1.5
50°-60°	1.5	0.1
60°-70°	0.5	0.0
70°-80°	0.1	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°	1113.7	86.3
0°-40°	1270.2	98.4
0°-60°	1290.5	100.0
0°-90°	1291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1707	
5°	1641	159
15°	1624	452
25°	1141	503
35°	209	156
45°	22	19
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1254806

CATALOG NUMBER: P3AS13R559035DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1707.3
1°	1700.9
2°	1684.2
3°	1663.6
4°	1645.0
5°	1640.6
6°	1645.5
7°	1655.8
8°	1667.6
9°	1676.9
10°	1679.8
11°	1677.9
12°	1670.0
13°	1657.8
14°	1643.5
15°	1624.4
16°	1602.3
17°	1574.4
18°	1543.0
19°	1505.2
20°	1462.5
21°	1414.0
22°	1356.6
23°	1293.3
24°	1220.8
25°	1140.8
26°	1053.0
27°	959.8
28°	860.3
29°	757.8
30°	653.3
31°	548.3
32°	445.8
32.5°	400.2
33°	353.1
34°	273.2
35°	209.4
36°	159.4
37°	118.2
37.5°	101.0
38°	87.8
39°	66.7
40°	54.0
42.5°	34.3
45°	22.1



TEST NUMBER: P1254806

CATALOG NUMBER: P3AS13R559035DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.2
50°	5.9
52.5°	2.0
55°	1.0
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)