

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: P1251322

Luminaire Tested: P3AS05R559030DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R559030DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

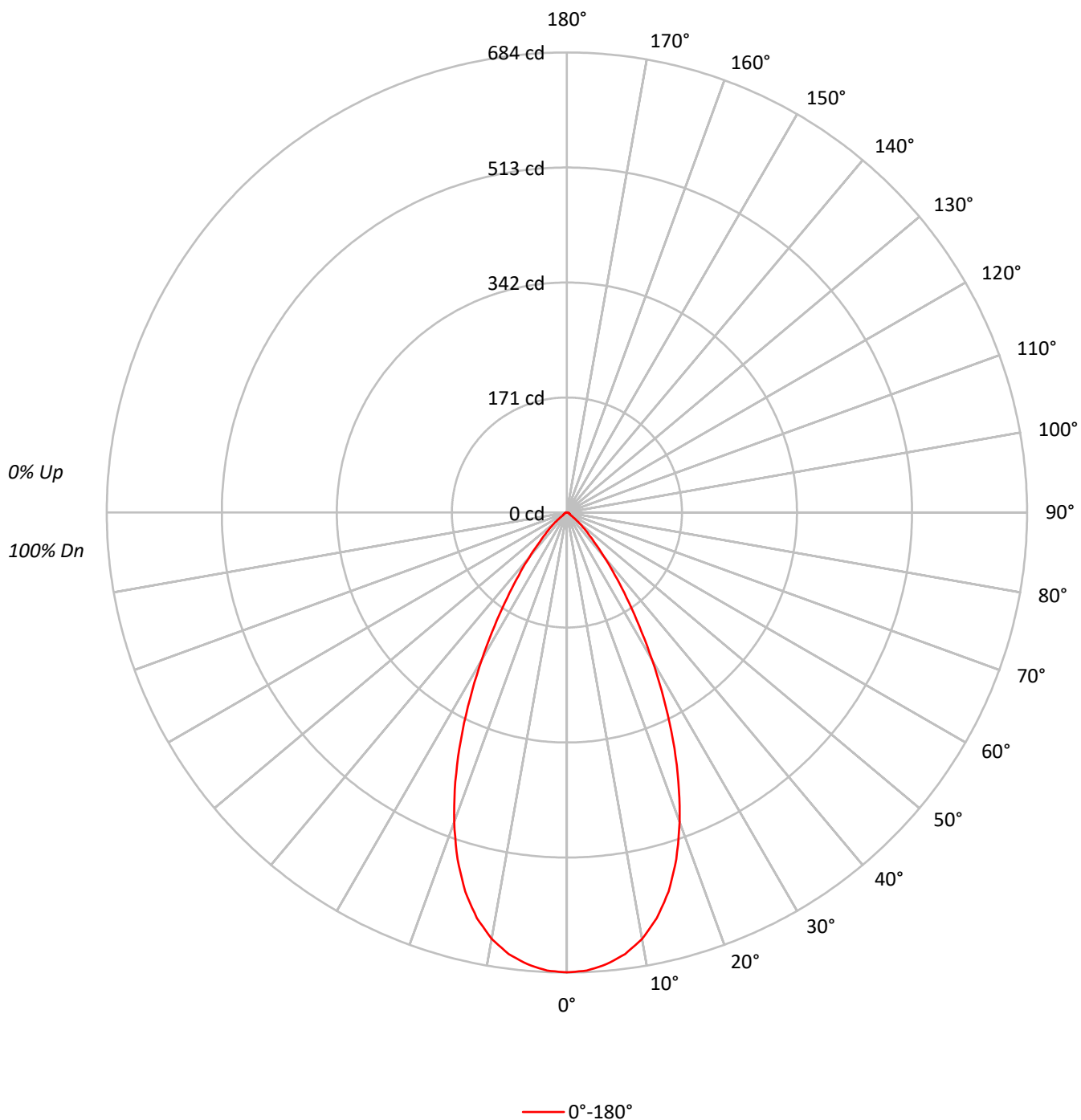
Lumens per Lamp: N/A
Luminaire Lumens: 546.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1251322

CATALOG NUMBER: P3AS05R559030DE010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1251322

CATALOG NUMBER: P3AS05R559030DE010 E3DL1LI

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149922
5°	148404
10°	143328
15°	132464
20°	114320
25°	90296
30°	64060
35°	41305
40°	24818
45°	13986
50°	7505
55°	2676
60°	2412
65°	2335
70°	2244
75°	2118
80°	1894
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13986 cd/sqm

TEST NUMBER: P1251322

CATALOG NUMBER: P3AS05R559030DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	11.6
10°-20°	161.4	29.6
20°-30°	169.1	31.0
30°-40°	98.7	18.1
40°-50°	36.9	6.8
50°-60°	8.7	1.6
60°-70°	4.5	0.8
70°-80°	2.6	0.5
80°-90°	0.7	0.1
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°	393.9	72.1
0°-40°	492.6	90.2
0°-60°	538.2	98.6
0°-90°	546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	546.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	684	
5°	674	63
15°	584	161
25°	373	169
35°	154	99
45°	45	37
55°	7	9
65°	4	4
75°	2	3
85°	0	1
90°	0	

TEST NUMBER: P1251322

CATALOG NUMBER: P3AS05R559030DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	683.7
2.5°	681.7
5°	674.2
7.5°	662.2
10°	643.7
12.5°	617.6
15°	583.5
17.5°	540.5
20°	489.9
22.5°	433.3
25°	373.2
27.5°	311.6
30°	253.0
32.5°	199.9
35°	154.3
37.5°	117.2
40°	86.7
42.5°	62.1
45°	45.1
47.5°	32.6
50°	22.0
52.5°	12.5
55°	7.0
57.5°	6.0
60°	5.5
62.5°	5.0
65°	4.5
67.5°	4.0
70°	3.5
72.5°	3.0
75°	2.5
77.5°	2.0
80°	1.5
82.5°	1.0
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)