Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1290494

Luminaire Tested: P3A05R55W2N902765DE010 E3DL1GPH_4000K

Issue Date: 1/30/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1290494
	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:	P3A05R55W2N902765DE010 E3DL1GPH_4000K
Description:	3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	214.0 lumens
Efficiency:	N/A
Efficacy:	36.3 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

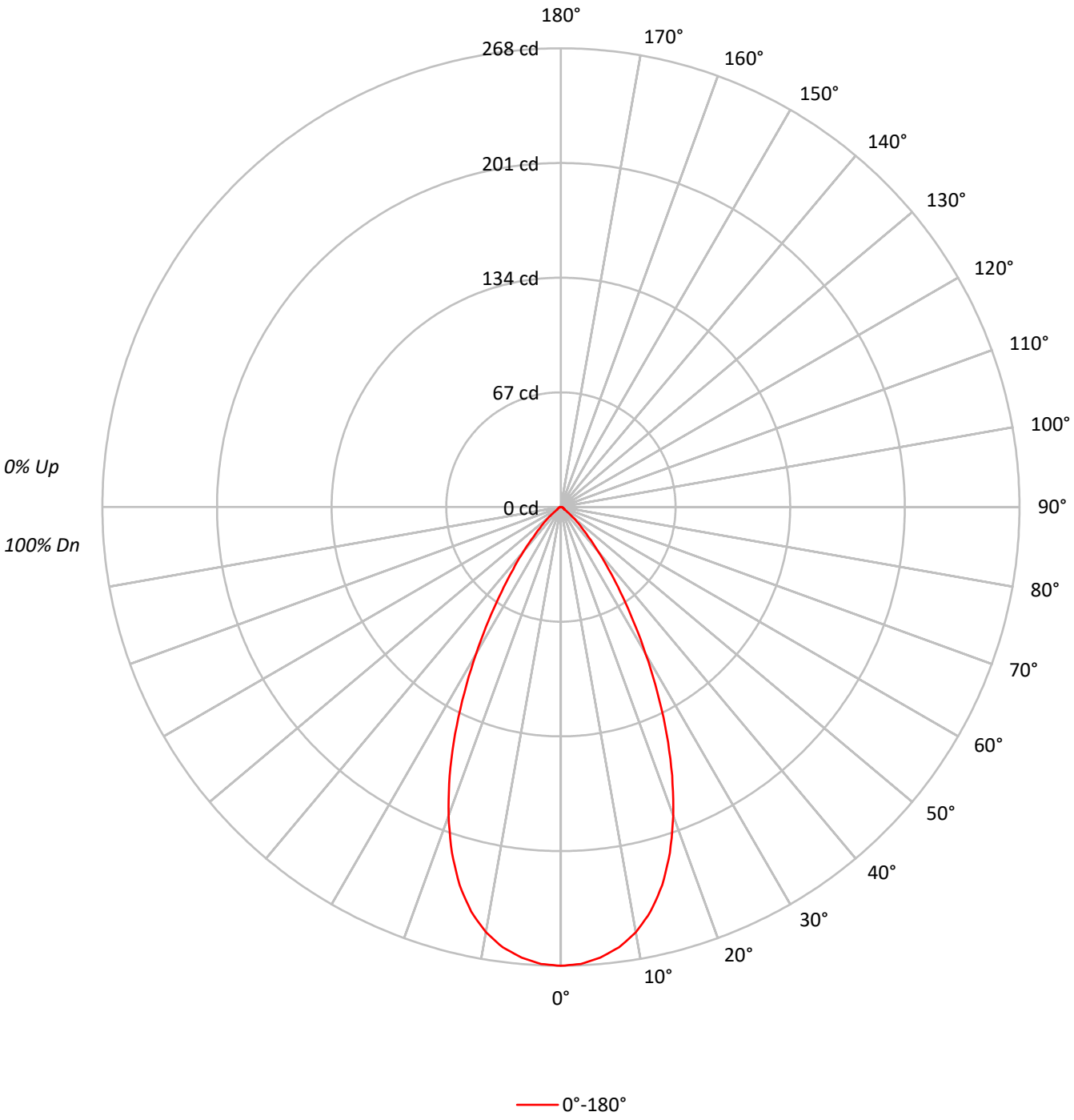
Input Watts (W):	5.9
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1290494
CATALOG NUMBER: P3A05R55W2N902765DE010 E3DL1GPH_4000K

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1290494
CATALOG NUMBER: P3A05R55W2N902765DE010 E3DL1GPH_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58767
5°	58155
10°	56178
15°	51919
20°	44804
25°	35397
30°	25092
35°	16195
40°	9733
45°	5489
50°	2934
55°	1032
60°	965
65°	934
70°	898
75°	847
80°	758
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5489 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1290494
CATALOG NUMBER: P3A05R55W2N902765DE010 E3DL1GPH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	11.6
10°-20°	63.2	29.5
20°-30°	66.3	31.0
30°-40°	38.7	18.1
40°-50°	14.5	6.8
50°-60°	3.4	1.6
60°-70°	1.8	0.8
70°-80°	1.1	0.5
80°-90°	0.3	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°	154.4	72.1
0°-40°	193.0	90.2
0°-60°	210.9	98.5
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	268	
5°	264	25
15°	229	63
25°	146	66
35°	60	39
45°	18	14
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1290494
CATALOG NUMBER: P3A05R55W2N902765DE010 E3DL1GPH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	268.0
2.5°	267.2
5°	264.2
7.5°	259.5
10°	252.3
12.5°	242.1
15°	228.7
17.5°	211.8
20°	192.0
22.5°	169.8
25°	146.3
27.5°	122.1
30°	99.1
32.5°	78.3
35°	60.5
37.5°	45.9
40°	34.0
42.5°	24.3
45°	17.7
47.5°	12.8
50°	8.6
52.5°	4.9
55°	2.7
57.5°	2.4
60°	2.2
62.5°	2.0
65°	1.8
67.5°	1.6
70°	1.4
72.5°	1.2
75°	1.0
77.5°	0.8
80°	0.6
82.5°	0.4
85°	0.2
87.5°	0.2
90°	0.0

(END OF REPORT)