

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: P1271483

Luminaire Tested: P3AS05R709827DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R709827DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

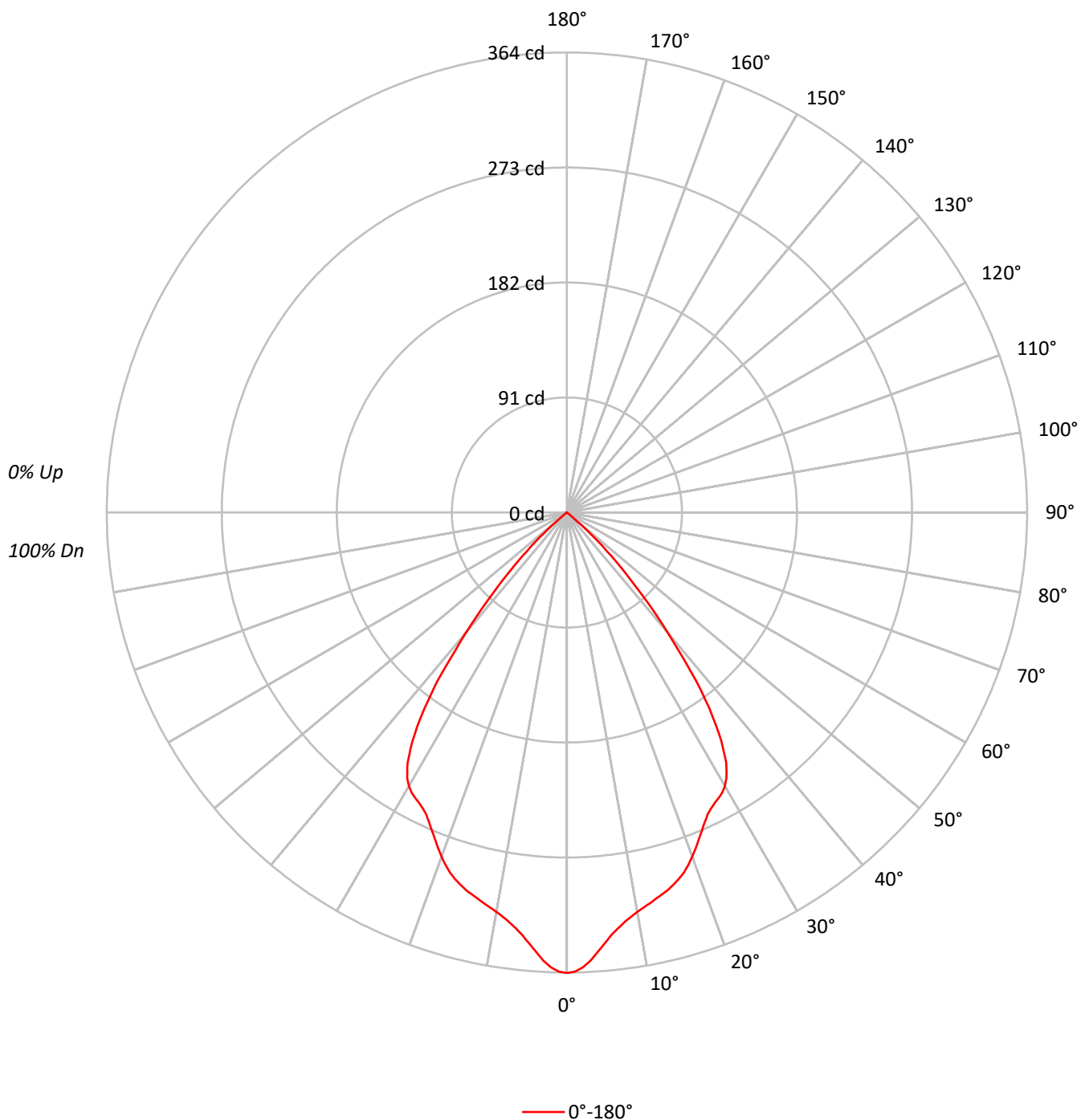
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1271483

CATALOG NUMBER: P3AS05R709827DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1271483

CATALOG NUMBER: P3AS05R709827DE010 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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79906
5°	75346
10°	71453
15°	70171
20°	67626
25°	63754
30°	63301
35°	55118
40°	35667
45°	16870
50°	2354
55°	191
60°	132
65°	156
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16870 cd/sqm

TEST NUMBER: P1271483

CATALOG NUMBER: P3AS05R709827DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	7.8
10°-20°	86.8	21.1
20°-30°	122.8	29.9
30°-40°	123.4	30.0
40°-50°	44.4	10.8
50°-60°	1.2	0.3
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	241.6	58.8
0°-40°	365.0	88.8
0°-60°	410.5	99.9
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	364	
5°	342	32
15°	309	87
25°	264	123
35°	206	123
45°	54	44
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1271483

CATALOG NUMBER: P3AS05R709827DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	364.4
1°	363.4
2°	360.2
3°	355.2
4°	348.7
5°	342.3
6°	336.3
7°	331.5
8°	327.3
9°	323.9
10°	320.9
11°	318.4
12°	316.0
13°	313.6
14°	311.4
15°	309.1
16°	306.2
17°	303.2
18°	299.5
19°	294.9
20°	289.8
21°	284.3
22°	278.7
23°	273.3
24°	268.1
25°	263.5
26°	260.3
27°	257.8
28°	255.7
29°	253.4
30°	250.0
31°	245.1
32°	238.2
32.5°	234.3
33°	229.1
34°	218.8
35°	205.9
36°	191.8
37°	175.7
37.5°	168.3
38°	158.2
39°	140.1
40°	124.6
42.5°	86.3
45°	54.4



TEST NUMBER: P1271483

CATALOG NUMBER: P3AS05R709827DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	29.2
50°	6.9
52.5°	0.8
55°	0.5
57.5°	0.5
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)