

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: P1256820

Luminaire Tested: P3AS05R709040DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256820
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: P3AS05R709040DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

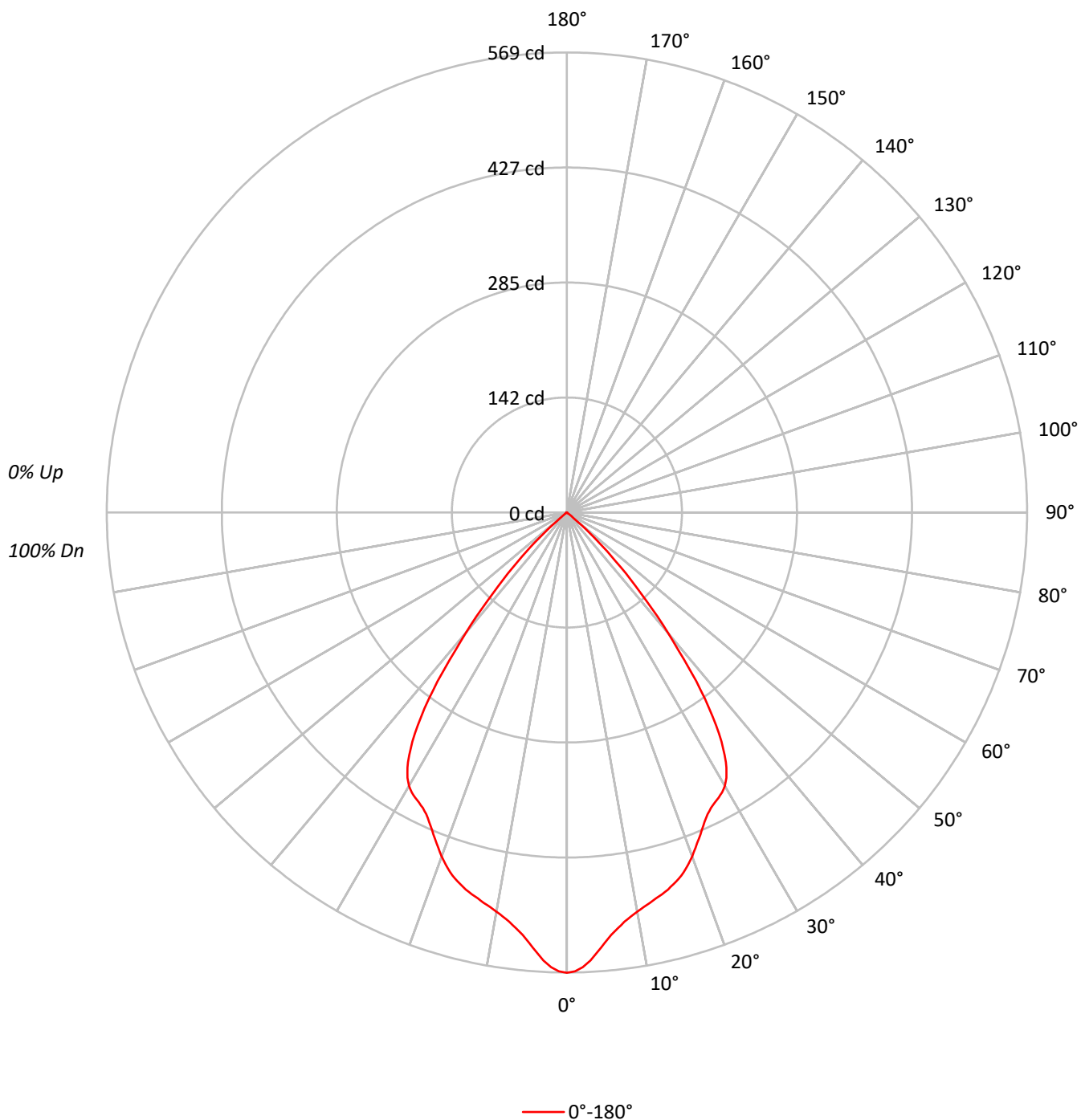
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1256820

CATALOG NUMBER: P3AS05R709040DE010 E3D1WMH

Luminous Intensity Polar Plot



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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°	124836
5°	117697
10°	111621
15°	109603
20°	105639
25°	99586
30°	98876
35°	86117
40°	55704
45°	26328
50°	3684
55°	306
60°	219
65°	259
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26328 cd/sqm

TEST NUMBER: P1256820

CATALOG NUMBER: P3AS05R709040DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	7.8
10°-20°	135.6	21.1
20°-30°	191.8	29.9
30°-40°	192.8	30.0
40°-50°	69.3	10.8
50°-60°	1.9	0.3
60°-70°	0.4	0.1
70°-80°	0.3	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°	377.3	58.8
0°-40°	570.1	88.8
0°-60°	641.2	99.9
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	569	
5°	535	50
15°	483	136
25°	412	192
35°	322	193
45°	85	69
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1256820

CATALOG NUMBER: P3AS05R709040DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	569.3
1°	567.7
2°	562.7
3°	554.8
4°	544.8
5°	534.7
6°	525.2
7°	517.9
8°	511.3
9°	506.0
10°	501.3
11°	497.3
12°	493.6
13°	489.9
14°	486.5
15°	482.8
16°	478.3
17°	473.6
18°	467.8
19°	460.6
20°	452.7
21°	444.0
22°	435.3
23°	426.9
24°	418.7
25°	411.6
26°	406.6
27°	402.6
28°	399.5
29°	395.8
30°	390.5
31°	382.9
32°	372.1
32.5°	366.0
33°	357.8
34°	341.7
35°	321.7
36°	299.5
37°	274.5
37.5°	262.9
38°	247.1
39°	218.9
40°	194.6
42.5°	134.7
45°	84.9

TEST NUMBER: P1256820

CATALOG NUMBER: P3AS05R709040DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	45.6
50°	10.8
52.5°	1.3
55°	0.8
57.5°	0.8
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)