

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: P1248670

Luminaire Tested: P3AS05R659027DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R659027DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

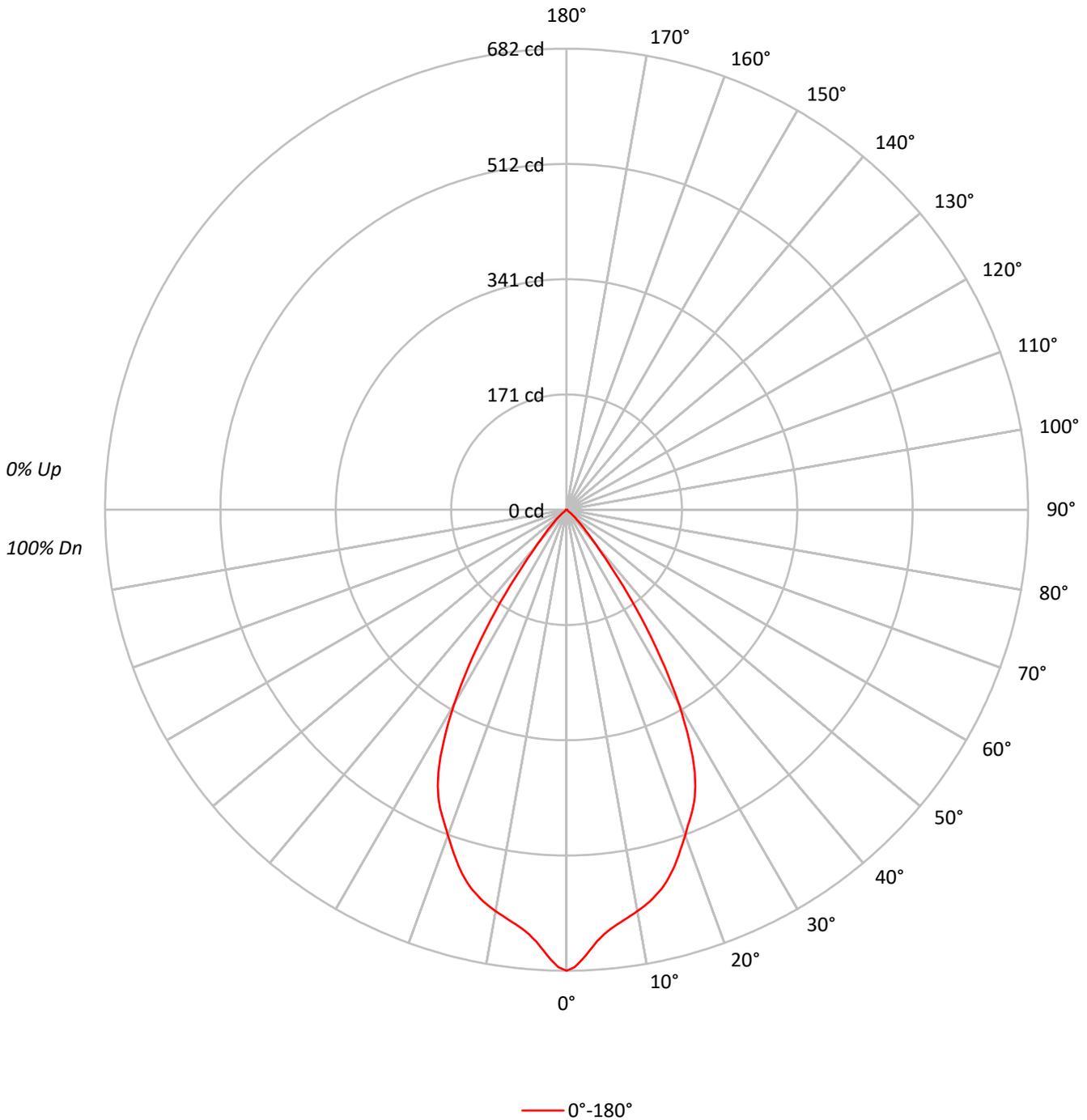
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
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: P1248670
CATALOG NUMBER: P3AS05R659027DE010 E3D1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1248670
 CATALOG NUMBER: P3AS05R659027DE010 E3D1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			88
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	86	83	82			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77			77
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72			72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			67
7	84	75	70	65	83	75	69	65	73	69	65	72	68	65	71	67	64	63			63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59			59
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56			56
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149527
5°	138829
10°	134266
15°	129376
20°	119617
25°	108974
30°	84215
35°	48800
40°	19379
45°	8249
50°	1944
55°	268
60°	219
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8249 cd/sqm



TEST NUMBER: P1248670
 CATALOG NUMBER: P3AS05R659027DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	10.7
10°-20°	158.8	28.5
20°-30°	201.0	36.0
30°-40°	114.5	20.5
40°-50°	22.7	4.1
50°-60°	1.2	0.2
60°-70°	0.3	0.1
70°-80°	0.0	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°	419.3	75.1
0°-40°	533.7	95.7
0°-60°	557.6	99.9
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	682	
5°	631	59
15°	570	159
25°	450	201
35°	182	114
45°	27	23
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1248670
CATALOG NUMBER: P3AS05R659027DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	681.9
1°	676.8
2°	665.8
3°	653.0
4°	640.4
5°	630.7
6°	623.6
7°	617.9
8°	612.8
9°	607.8
10°	603.0
11°	597.7
12°	592.2
13°	585.5
14°	578.4
15°	569.9
16°	559.8
17°	548.8
18°	536.9
19°	524.3
20°	512.6
21°	500.7
22°	489.9
23°	478.7
24°	465.6
25°	450.4
26°	432.3
27°	410.5
28°	386.0
29°	359.9
30°	332.6
31°	302.5
32°	272.7
32.5°	257.3
33°	242.4
34°	212.2
35°	182.3
36°	154.8
37°	127.5
37.5°	113.5
38°	102.3
39°	82.8
40°	67.7
42.5°	41.7
45°	26.6



TEST NUMBER: P1248670
CATALOG NUMBER: P3AS05R659027DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.6
50°	5.7
52.5°	1.1
55°	0.7
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.2
67.5°	0.2
70°	0.2
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)