

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: P1256790

Luminaire Tested: P3AS05R659040DE010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256790
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: P3AS05R659040DE010 E3D1WH
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

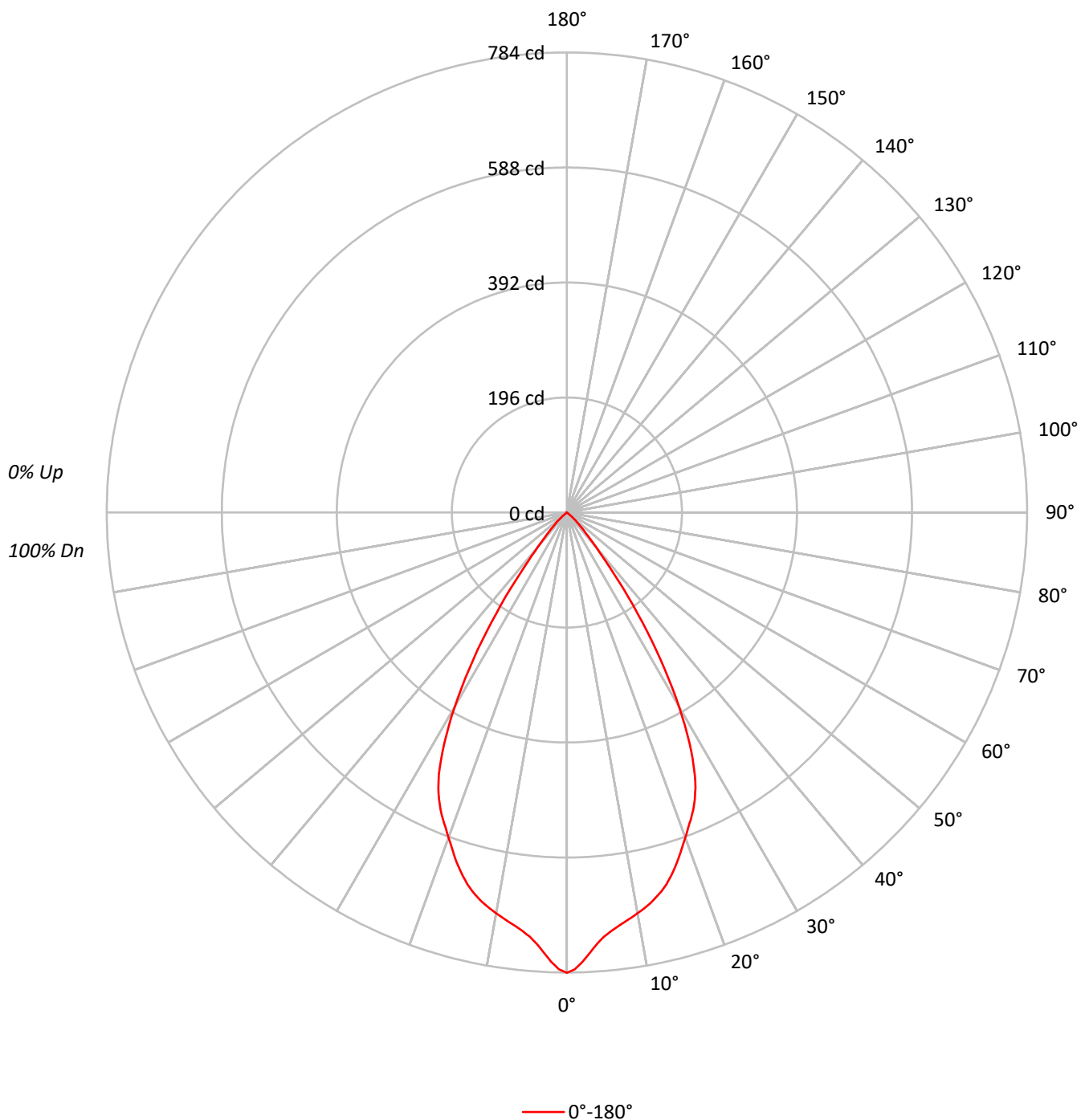
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172026
5°	159740
10°	154462
15°	148854
20°	137632
25°	125402
30°	96876
35°	56162
40°	22270
45°	9489
50°	2252
55°	306
60°	219
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	10.7
10°-20°	182.7	28.5
20°-30°	231.2	36.0
30°-40°	131.7	20.5
40°-50°	26.1	4.1
50°-60°	1.3	0.2
60°-70°	0.4	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°	482.4	75.1
0°-40°	614.1	95.7
0°-60°	641.6	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°	784	
5°	726	68
15°	656	183
25°	518	231
35°	210	132
45°	31	26
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	784.5
1°	778.7
2°	766.0
3°	751.3
4°	736.7
5°	725.7
6°	717.5
7°	710.9
8°	705.1
9°	699.3
10°	693.7
11°	687.7
12°	681.3
13°	673.7
14°	665.5
15°	655.7
16°	644.1
17°	631.5
18°	617.7
19°	603.2
20°	589.8
21°	576.0
22°	563.6
23°	550.7
24°	535.7
25°	518.3
26°	497.4
27°	472.3
28°	444.1
29°	414.0
30°	382.6
31°	348.1
32°	313.8
32.5°	296.1
33°	278.9
34°	244.1
35°	209.8
36°	178.1
37°	146.7
37.5°	130.6
38°	117.7
39°	95.3
40°	77.8
42.5°	48.0
45°	30.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	17.9
50°	6.6
52.5°	1.3
55°	0.8
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.3
67.5°	0.3
70°	0.3
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)