

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: P1264326

Luminaire Tested: P3A05R409730DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1264326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409730DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

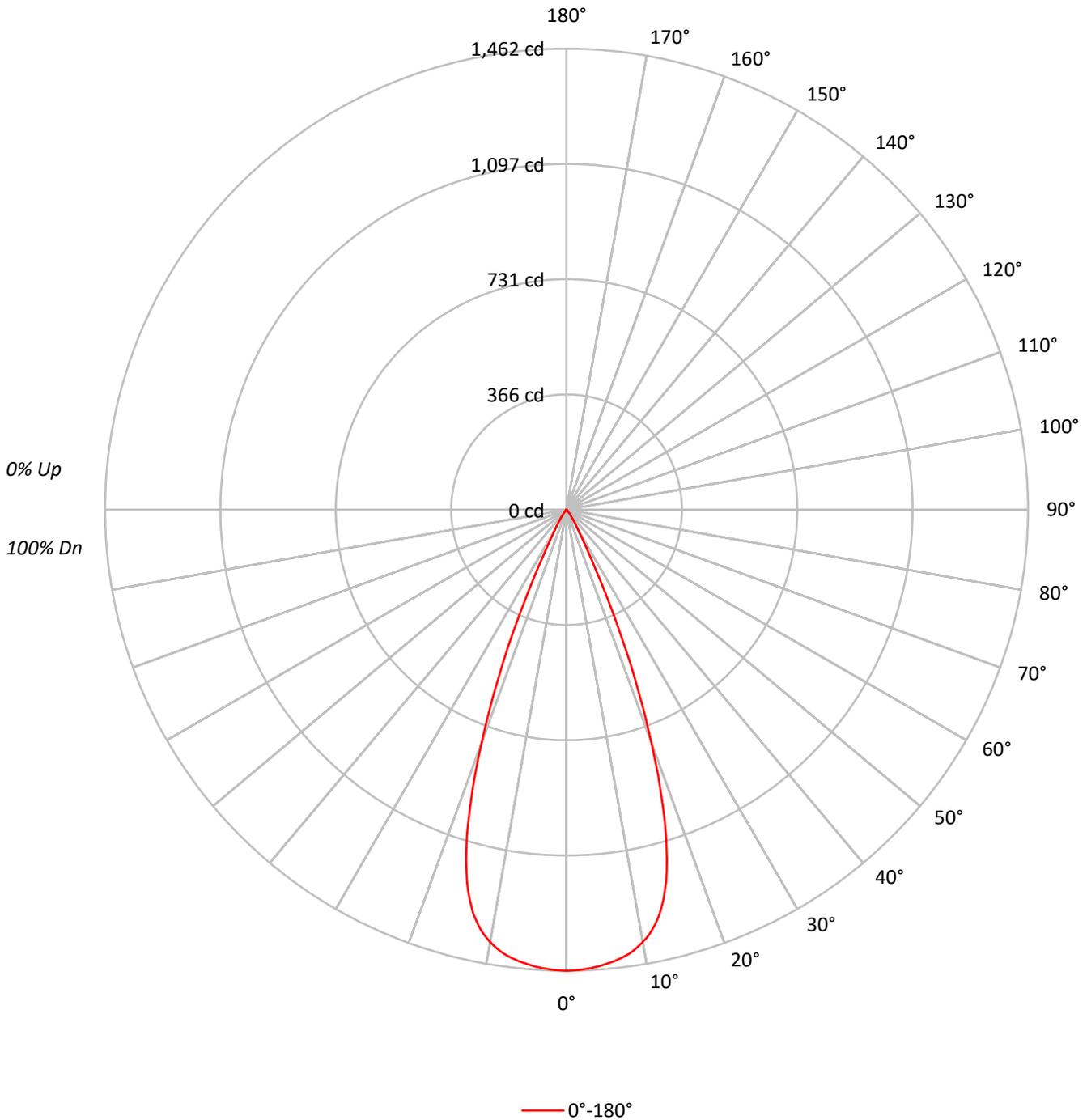
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
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				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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96				96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92				92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88				88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85				85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82				82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79				79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76				76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73				73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70				70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	75	71	69	68				68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320610
5°	318313
10°	309970
15°	276891
20°	183603
25°	68786
30°	18408
35°	7201
40°	2576
45°	1240
50°	375
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1240 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	21.7
10°-20°	323.2	51.4
20°-30°	146.6	23.3
30°-40°	19.0	3.0
40°-50°	3.3	0.5
50°-60°	0.4	0.1
60°-70°	0.1	0.0
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°	606.2	96.4
0°-40°	625.2	99.4
0°-60°	628.8	100.0
0°-90°	629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1462	
5°	1446	136
15°	1220	323
25°	284	147
35°	27	19
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1462.1
1°	1461.2
2°	1459.0
3°	1455.7
4°	1451.6
5°	1446.1
6°	1439.7
7°	1431.7
8°	1422.0
9°	1408.8
10°	1392.1
11°	1372.5
12°	1346.3
13°	1313.9
14°	1271.7
15°	1219.7
16°	1153.4
17°	1077.9
18°	987.2
19°	891.4
20°	786.8
21°	682.2
22°	579.1
23°	476.5
24°	375.7
25°	284.3
26°	210.5
27°	154.1
28°	115.8
29°	90.1
30°	72.7
31°	60.1
32°	50.2
32.5°	45.8
33°	41.4
34°	33.7
35°	26.9
36°	21.1
37°	16.7
37.5°	15.0
38°	13.2
39°	11.0
40°	9.0
42.5°	5.9
45°	4.0



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.4
50°	1.1
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
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)