

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: P1273389

Luminaire Tested: P3A05R409830DE010 E3DL1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409830DE010 E3DL1H
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

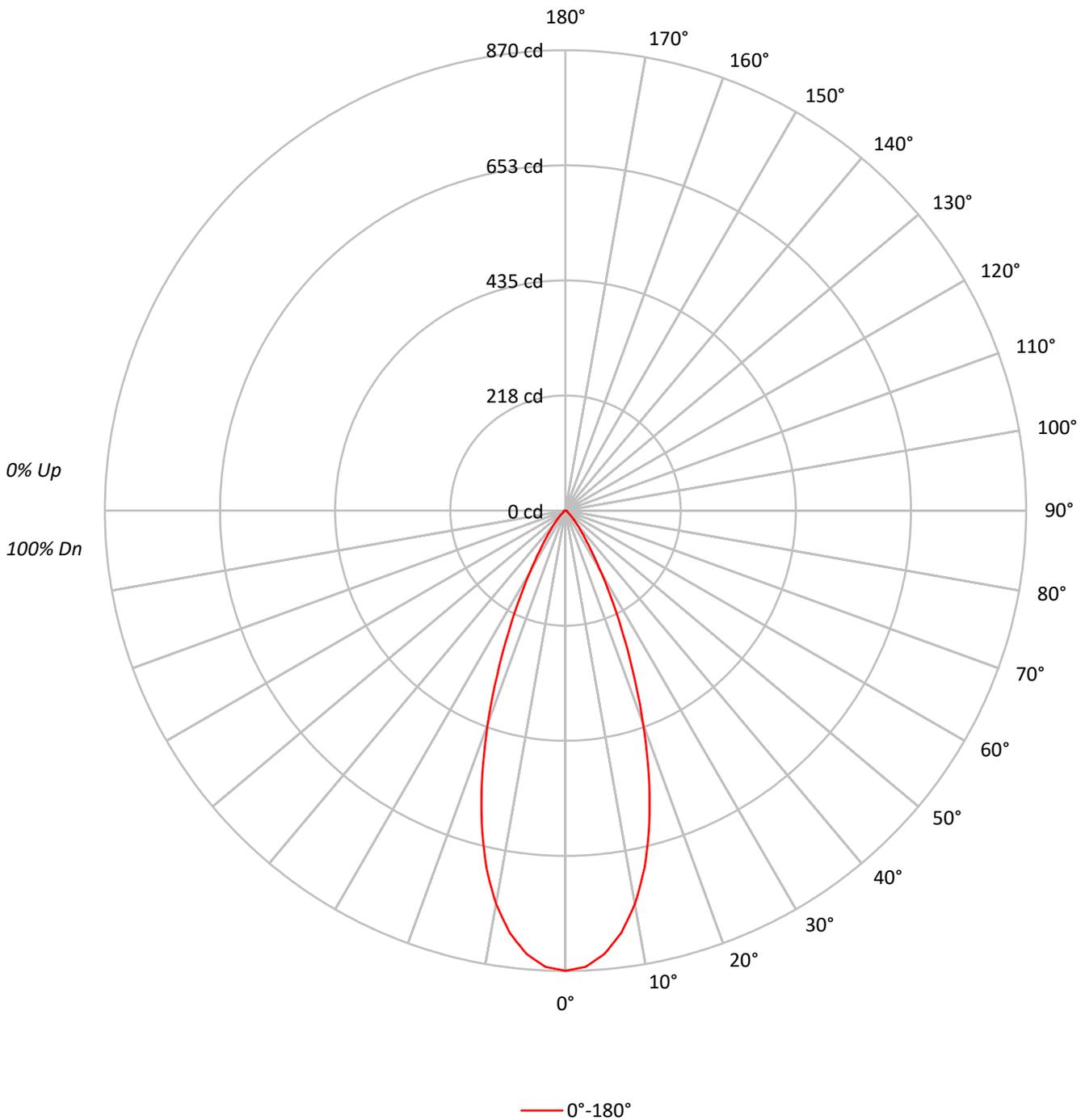
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 431.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
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: P1273389
CATALOG NUMBER: P3A05R409830DE010 E3DL1H

Luminous Intensity Polar Plot





TEST NUMBER: P1273389

CATALOG NUMBER: P3A05R409830DE010 E3DL1H

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	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63	63	63	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60	60	60	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190708
5°	185164
10°	168044
15°	138820
20°	100132
25°	61939
30°	33524
35°	17320
40°	9418
45°	5272
50°	2661
55°	1988
60°	1798
65°	1712
70°	1667
75°	1525
80°	1389
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5272 cd/sqm



TEST NUMBER: P1273389
 CATALOG NUMBER: P3A05R409830DE010 E3DL1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	18.0
10°-20°	166.5	38.6
20°-30°	118.8	27.6
30°-40°	43.7	10.2
40°-50°	13.8	3.2
50°-60°	4.8	1.1
60°-70°	3.3	0.8
70°-80°	1.9	0.4
80°-90°	0.6	0.1
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°	362.9	84.2
0°-40°	406.6	94.3
0°-60°	425.2	98.7
0°-90°	431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	870	
5°	841	78
15°	612	167
25°	256	119
35°	65	44
45°	17	14
55°	5	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1273389

CATALOG NUMBER: P3A05R409830DE010 E3DL1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	869.7
2.5°	863.1
5°	841.2
7.5°	805.0
10°	754.7
12.5°	690.7
15°	611.5
17.5°	522.7
20°	429.1
22.5°	337.0
25°	256.0
27.5°	187.9
30°	132.4
32.5°	92.9
35°	64.7
37.5°	45.9
40°	32.9
42.5°	23.7
45°	17.0
47.5°	11.5
50°	7.8
52.5°	5.5
55°	5.2
57.5°	4.8
60°	4.1
62.5°	3.7
65°	3.3
67.5°	3.0
70°	2.6
72.5°	2.2
75°	1.8
77.5°	1.5
80°	1.1
82.5°	0.7
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)