

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: P1269098

Luminaire Tested: P3A05R409740DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409740DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

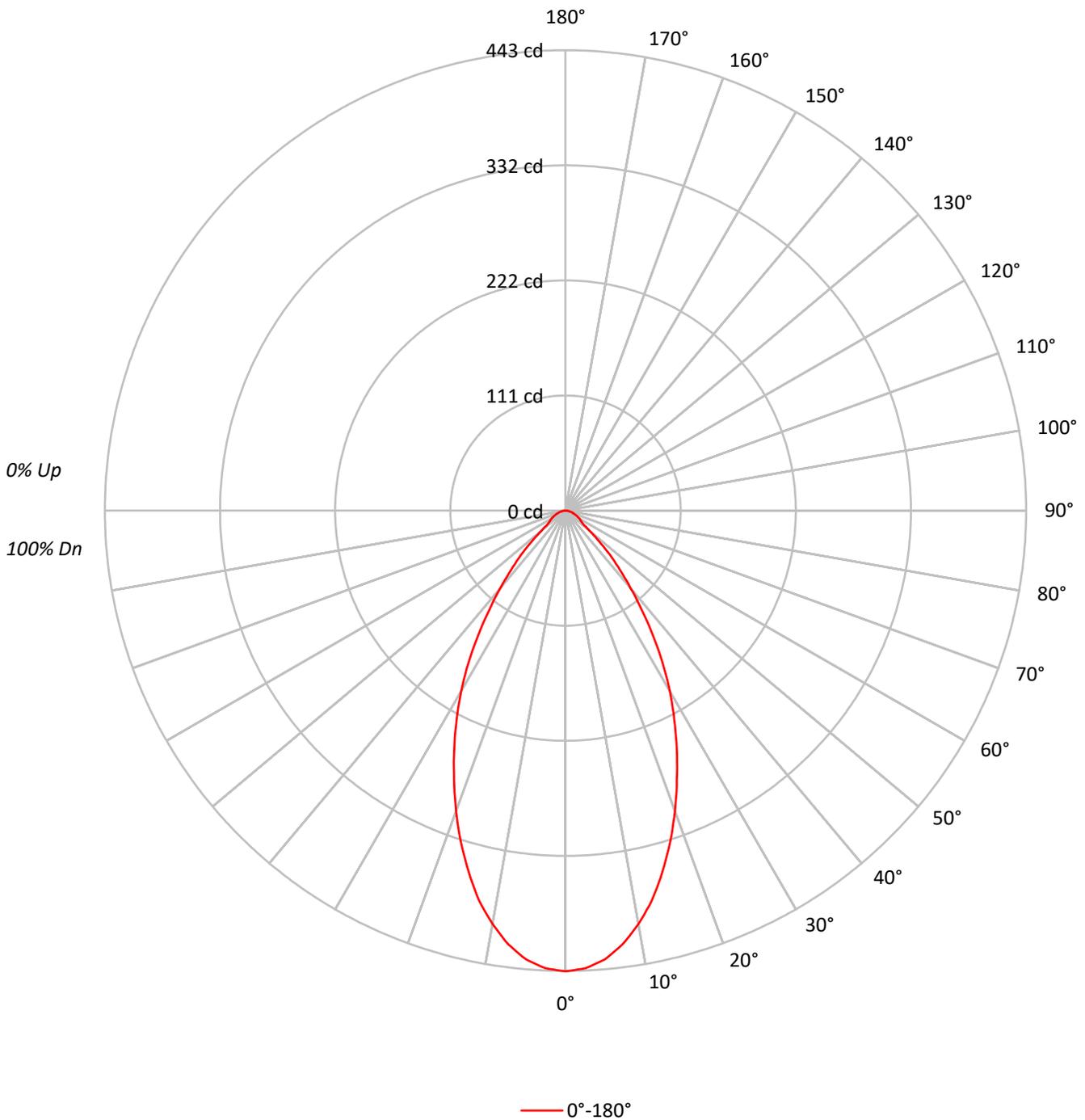
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 433.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 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: P1269098
CATALOG NUMBER: P3A05R409740DE010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1269098

CATALOG NUMBER: P3A05R409740DE010 E3DLD1MW

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69			69
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55			55
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51			51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48			48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97207
5°	95443
10°	89956
15°	81703
20°	71780
25°	61310
30°	50793
35°	39163
40°	27881
45°	18793
50°	10234
55°	7226
60°	6798
65°	6278
70°	5578
75°	5338
80°	4293
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18793 cd/sqm



TEST NUMBER: P1269098
 CATALOG NUMBER: P3A05R409740DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	9.3
10°-20°	100.3	23.2
20°-30°	115.9	26.8
30°-40°	91.3	21.1
40°-50°	46.9	10.8
50°-60°	17.9	4.1
60°-70°	11.9	2.7
70°-80°	6.4	1.5
80°-90°	1.9	0.4
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°	256.6	59.3
0°-40°	348.0	80.4
0°-60°	412.8	95.3
0°-90°	433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	443	
5°	434	40
15°	360	100
25°	253	116
35°	146	91
45°	61	47
55°	19	18
65°	12	12
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1269098

CATALOG NUMBER: P3A05R409740DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	443.3
2.5°	440.8
5°	433.6
7.5°	421.0
10°	404.0
12.5°	384.2
15°	359.9
17.5°	334.7
20°	307.6
22.5°	280.0
25°	253.4
27.5°	226.7
30°	200.6
32.5°	173.9
35°	146.3
37.5°	120.6
40°	97.4
42.5°	77.5
45°	60.6
47.5°	44.1
50°	30.0
52.5°	21.8
55°	18.9
57.5°	17.0
60°	15.5
62.5°	13.6
65°	12.1
67.5°	10.2
70°	8.7
72.5°	7.3
75°	6.3
77.5°	4.8
80°	3.4
82.5°	2.9
85°	1.5
87.5°	1.0
90°	0.0

(END OF REPORT)