

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: P1271176

Luminaire Tested: P3AS05R159827DE010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R159827DE010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

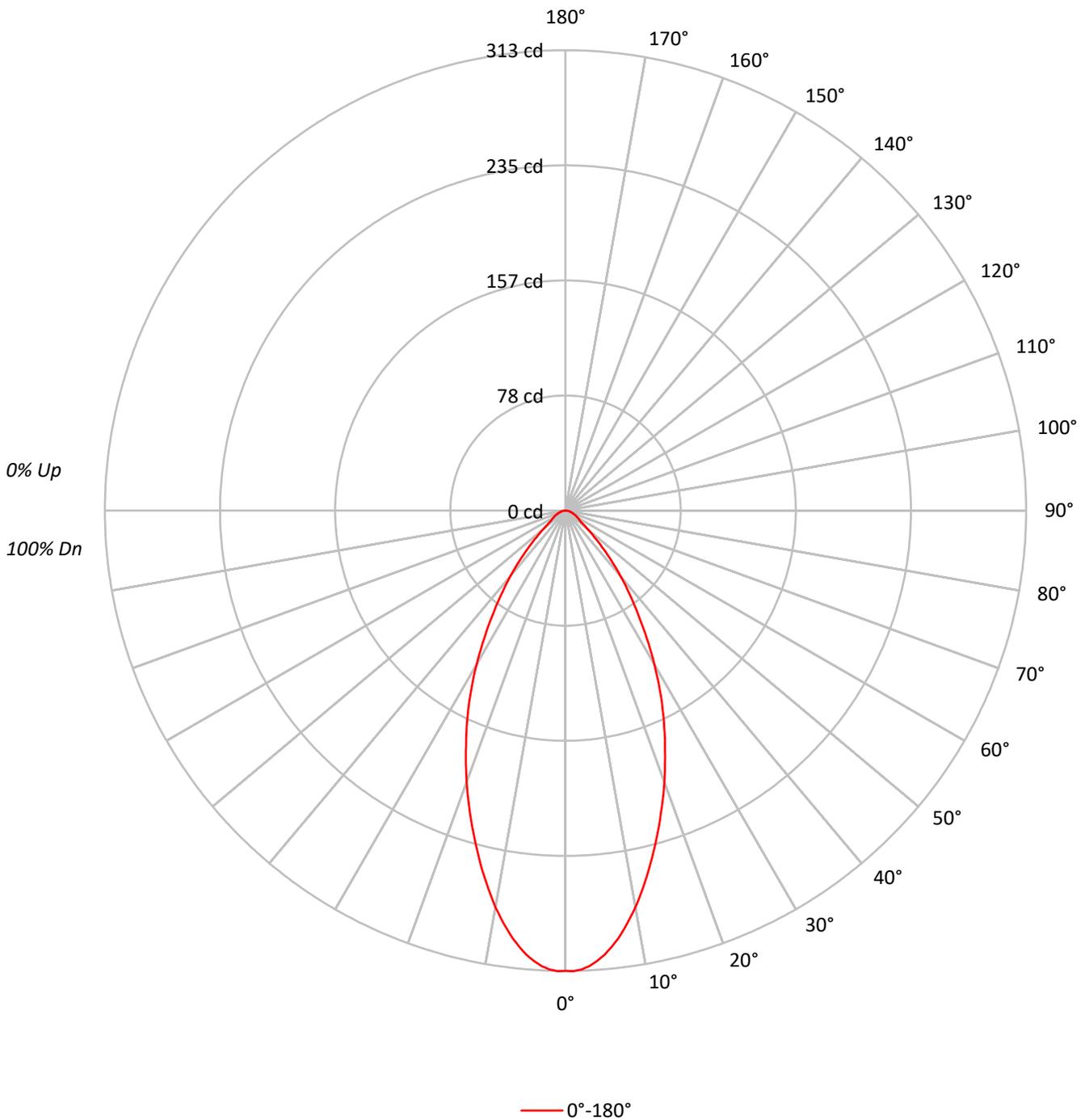
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.82
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: P1271176
CATALOG NUMBER: P3AS05R159827DE010 E3DLD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1271176
 CATALOG NUMBER: P3AS05R159827DE010 E3DLD1LI

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			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	73	68	87	79	73	68	77	72	67	75	71	67	74	69	66	65			
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60			
7	80	70	63	58	78	69	63	58	67	62	58	66	61	58	65	61	57	56			
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68613
5°	66740
10°	60988
15°	53417
20°	45831
25°	38276
30°	30612
35°	22968
40°	16660
45°	10885
50°	6823
55°	4626
60°	4079
65°	3736
70°	3526
75°	3219
80°	3031
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10885 cd/sqm

TEST NUMBER: P1271176
 CATALOG NUMBER: P3AS05R159827DE010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	10.3
10°-20°	65.6	24.1
20°-30°	72.3	26.6
30°-40°	54.1	19.9
40°-50°	28.0	10.3
50°-60°	11.6	4.3
60°-70°	7.2	2.6
70°-80°	4.0	1.5
80°-90°	1.1	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°	165.8	61.0
0°-40°	219.9	80.9
0°-60°	259.6	95.4
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	313	
5°	303	28
15°	235	66
25°	158	72
35°	86	54
45°	35	28
55°	12	12
65°	7	7
75°	4	4
85°	1	1
90°	0	



TEST NUMBER: P1271176
CATALOG NUMBER: P3AS05R159827DE010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	312.9
1°	313.2
2°	312.2
3°	310.1
4°	307.0
5°	303.2
6°	298.4
7°	293.2
8°	287.0
9°	280.5
10°	273.9
12.5°	255.0
15°	235.3
17.5°	215.7
20°	196.4
22.5°	176.8
25°	158.2
27.5°	139.6
30°	120.9
32.5°	102.7
35°	85.8
37.5°	71.3
40°	58.2
42.5°	46.2
45°	35.1
47.5°	26.5
50°	20.0
52.5°	14.8
55°	12.1
57.5°	10.7
60°	9.3
62.5°	8.3
65°	7.2
67.5°	6.2
70°	5.5
72.5°	4.5
75°	3.8
77.5°	3.1
80°	2.4
82.5°	1.7
85°	1.0
87.5°	0.3
90°	0.0

(END OF REPORT)