

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: P1270312

Luminaire Tested: P3A17R559740DE010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R559740DE010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

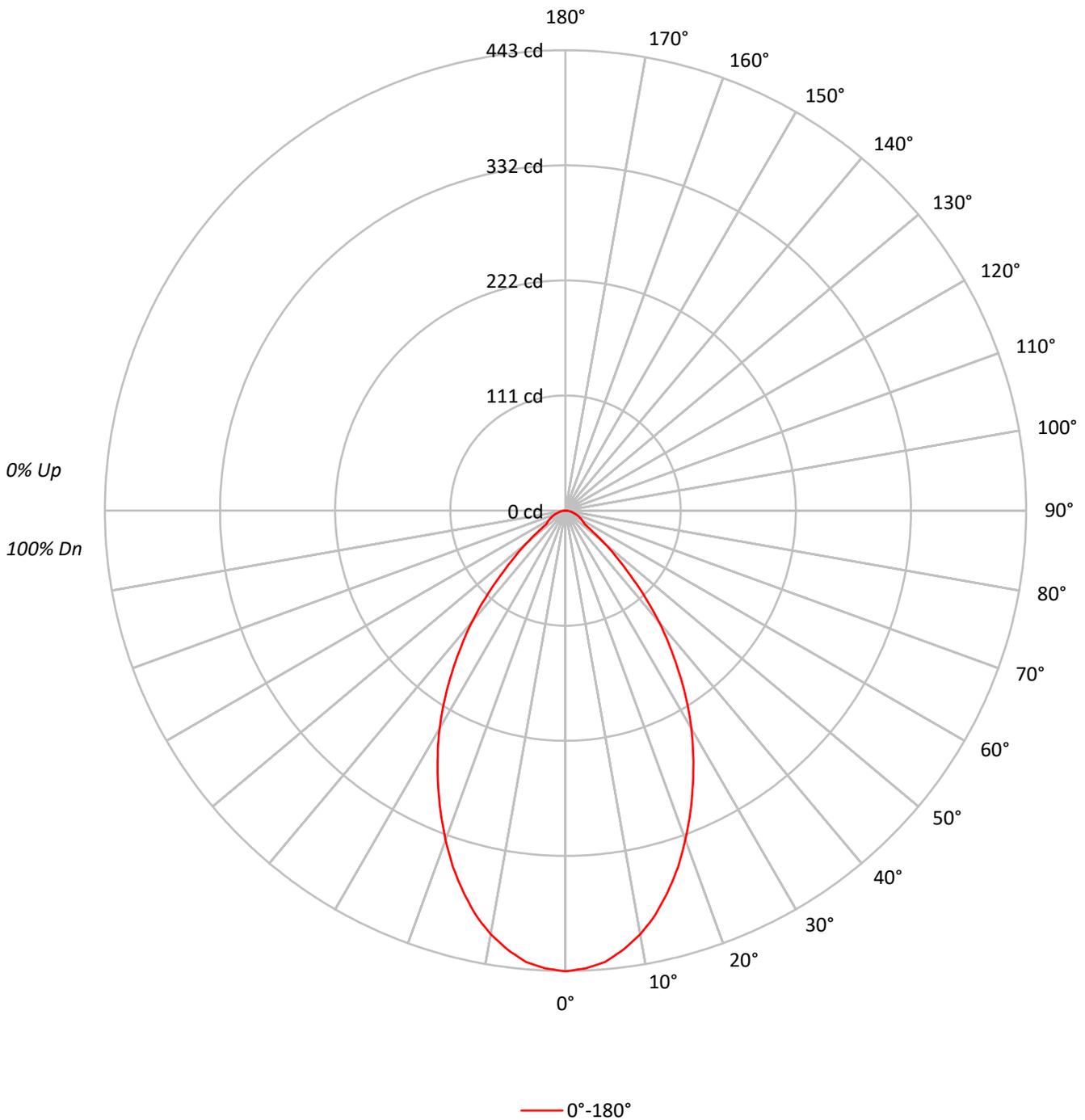
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1270312
CATALOG NUMBER: P3A17R559740DE010 E3DLD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1270312
 CATALOG NUMBER: P3A17R559740DE010 E3DLD1GPH

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	64	62		
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57		
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52		
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48		
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45		
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97207
5°	95972
10°	92183
15°	86221
20°	78664
25°	70165
30°	61377
35°	50995
40°	40190
45°	27259
50°	16648
55°	8640
60°	8026
65°	7627
70°	7052
75°	6185
80°	6188
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27259 cd/sqm



TEST NUMBER: P1270312
 CATALOG NUMBER: P3A17R559740DE010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	7.9
10°-20°	106.2	20.5
20°-30°	132.9	25.7
30°-40°	118.7	23.0
40°-50°	69.5	13.4
50°-60°	24.0	4.6
60°-70°	14.5	2.8
70°-80°	8.1	1.6
80°-90°	2.3	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°	280.0	54.2
0°-40°	398.6	77.1
0°-60°	492.1	95.2
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	443	
5°	436	41
15°	380	106
25°	290	133
35°	190	119
45°	88	69
55°	23	24
65°	15	15
75°	7	8
85°	2	2
90°	0	

TEST NUMBER: P1270312

CATALOG NUMBER: P3A17R559740DE010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	443.3
2.5°	440.9
5°	436.0
7.5°	426.2
10°	414.0
12.5°	398.7
15°	379.8
17.5°	359.7
20°	337.1
22.5°	313.9
25°	290.0
27.5°	266.2
30°	242.4
32.5°	216.8
35°	190.5
37.5°	164.9
40°	140.4
42.5°	114.2
45°	87.9
47.5°	67.2
50°	48.8
52.5°	31.8
55°	22.6
57.5°	20.2
60°	18.3
62.5°	16.5
65°	14.7
67.5°	12.8
70°	11.0
72.5°	9.2
75°	7.3
77.5°	6.1
80°	4.9
82.5°	3.1
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)