

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: P1270316

Luminaire Tested: P3A17R559740DE010 E3DLD1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270316
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 E3DLD1WH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

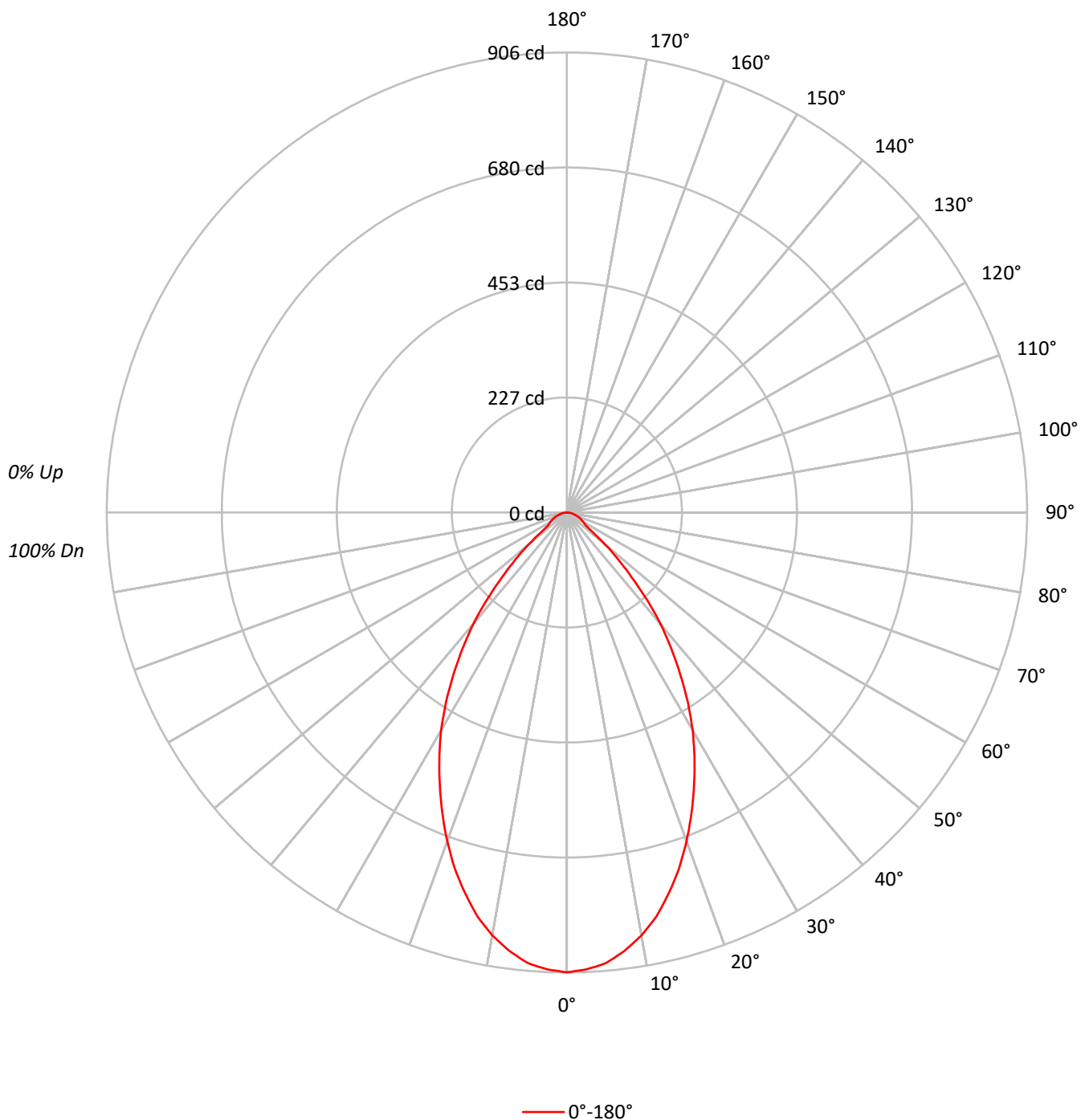
Lumens per Lamp: N/A
Luminaire Lumens: 1056.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270316

CATALOG NUMBER: P3A17R559740DE010 E3DLD1WH

Luminous Intensity Polar Plot





TEST NUMBER: P1270316

CATALOG NUMBER: P3A17R559740DE010 E3DLD1WH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	198559
5°	196015
10°	188284
15°	176119
20°	160664
25°	143331
30°	125361
35°	104159
40°	82125
45°	55696
50°	34046
55°	17624
60°	16402
65°	15514
70°	14426
75°	12709
80°	12628
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55696 cd/sqm

TEST NUMBER: P1270316

CATALOG NUMBER: P3A17R559740DE010 E3DLD1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	7.9
10°-20°	216.8	20.5
20°-30°	271.5	25.7
30°-40°	242.4	23.0
40°-50°	141.9	13.4
50°-60°	49.0	4.6
60°-70°	29.6	2.8
70°-80°	16.5	1.6
80°-90°	4.7	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°	571.9	54.2
0°-40°	814.2	77.1
0°-60°	1005.2	95.2
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	906	
5°	890	84
15°	776	217
25°	592	272
35°	389	242
45°	180	142
55°	46	49
65°	30	30
75°	15	16
85°	4	5
90°	0	

TEST NUMBER: P1270316

CATALOG NUMBER: P3A17R559740DE010 E3DLD1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	905.5
2.5°	900.5
5°	890.5
7.5°	870.6
10°	845.6
12.5°	814.4
15°	775.8
17.5°	734.6
20°	688.5
22.5°	641.1
25°	592.4
27.5°	543.8
30°	495.1
32.5°	442.8
35°	389.1
37.5°	336.8
40°	286.9
42.5°	233.2
45°	179.6
47.5°	137.2
50°	99.8
52.5°	64.9
55°	46.1
57.5°	41.2
60°	37.4
62.5°	33.7
65°	29.9
67.5°	26.2
70°	22.5
72.5°	18.7
75°	15.0
77.5°	12.5
80°	10.0
82.5°	6.2
85°	3.7
87.5°	2.5
90°	0.0

(END OF REPORT)