

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: P1249897

Luminaire Tested: P3AS20R159027D010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159027D010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

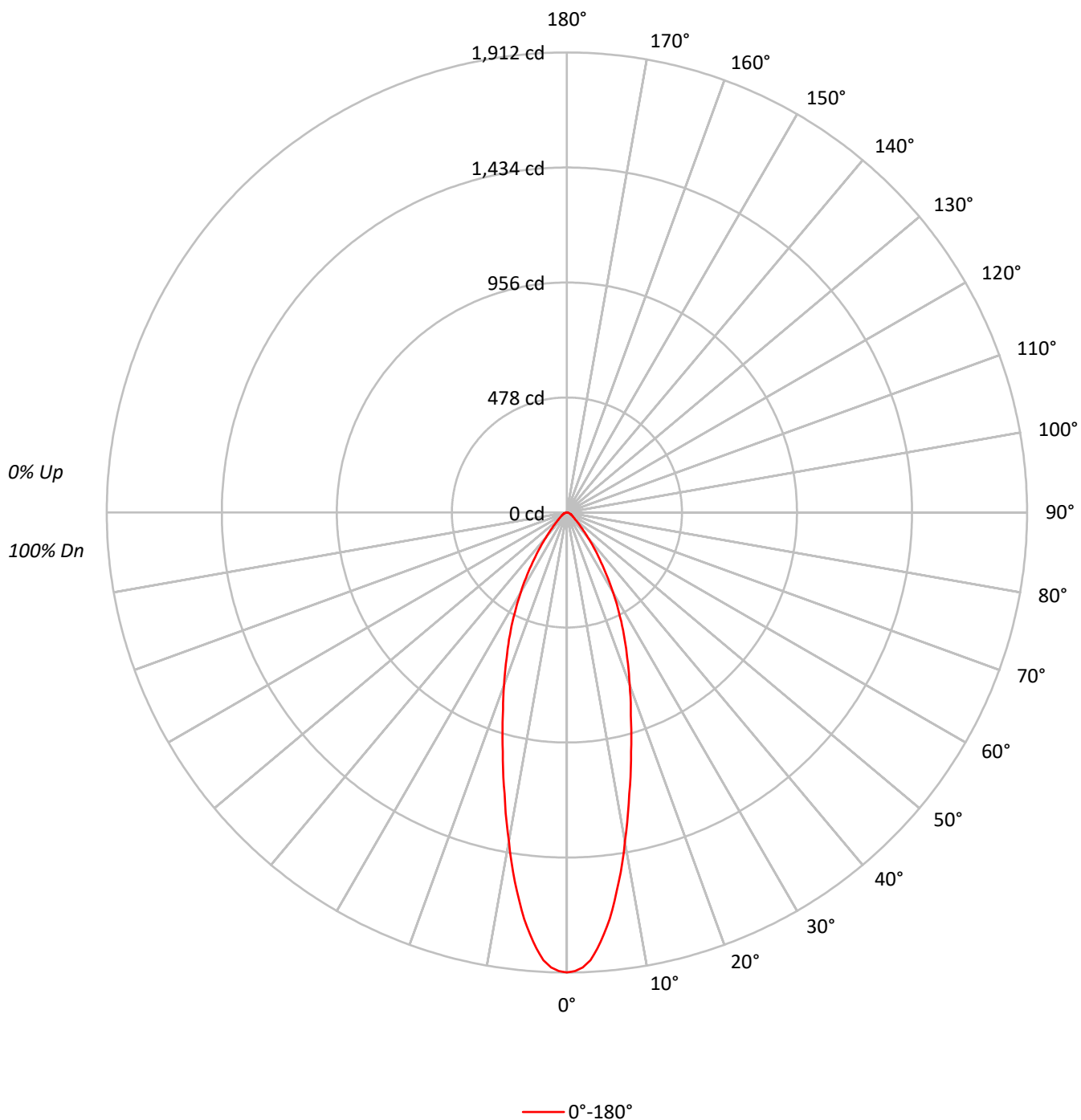
Lumens per Lamp: N/A
Luminaire Lumens: 972.0 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1249897

CATALOG NUMBER: P3AS20R159027D010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1249897

CATALOG NUMBER: P3AS20R159027D010 E3DLP1H

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	113	110	108	106	111	108	106	104	104	102	101		100	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	93	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419155
5°	387386
10°	309280
15°	233622
20°	177909
25°	135564
30°	97129
35°	63390
40°	38844
45°	23506
50°	15624
55°	12081
60°	10394
65°	9028
70°	8078
75°	8049
80°	5935
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23506 cd/sqm

TEST NUMBER: P1249897

CATALOG NUMBER: P3AS20R159027D010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	16.0
10°-20°	287.6	29.6
20°-30°	256.1	26.3
30°-40°	151.5	15.6
40°-50°	62.2	6.4
50°-60°	29.2	3.0
60°-70°	17.8	1.8
70°-80°	9.3	1.0
80°-90°	2.4	0.2
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°	699.6	72.0
0°-40°	851.1	87.6
0°-60°	942.5	97.0
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1912	
5°	1760	156
15°	1029	288
25°	560	256
35°	237	152
45°	76	62
55°	32	29
65°	17	18
75°	10	9
85°	2	2
90°	0	



TEST NUMBER: P1249897

CATALOG NUMBER: P3AS20R159027D010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1911.5
1°	1906.7
2°	1892.5
3°	1864.1
4°	1816.8
5°	1759.9
6°	1698.4
7°	1625.8
8°	1550.0
9°	1472.7
10°	1389.0
12.5°	1198.0
15°	1029.1
17.5°	883.9
20°	762.4
22.5°	655.0
25°	560.3
27.5°	468.8
30°	383.6
32.5°	306.2
35°	236.8
37.5°	181.5
40°	135.7
42.5°	101.0
45°	75.8
47.5°	58.4
50°	45.8
52.5°	37.9
55°	31.6
57.5°	26.8
60°	23.7
62.5°	20.5
65°	17.4
67.5°	15.8
70°	12.6
72.5°	11.0
75°	9.5
77.5°	6.3
80°	4.7
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)