

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: P1272788

Luminaire Tested: P3AS20R559827D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272788
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: P3AS20R559827D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

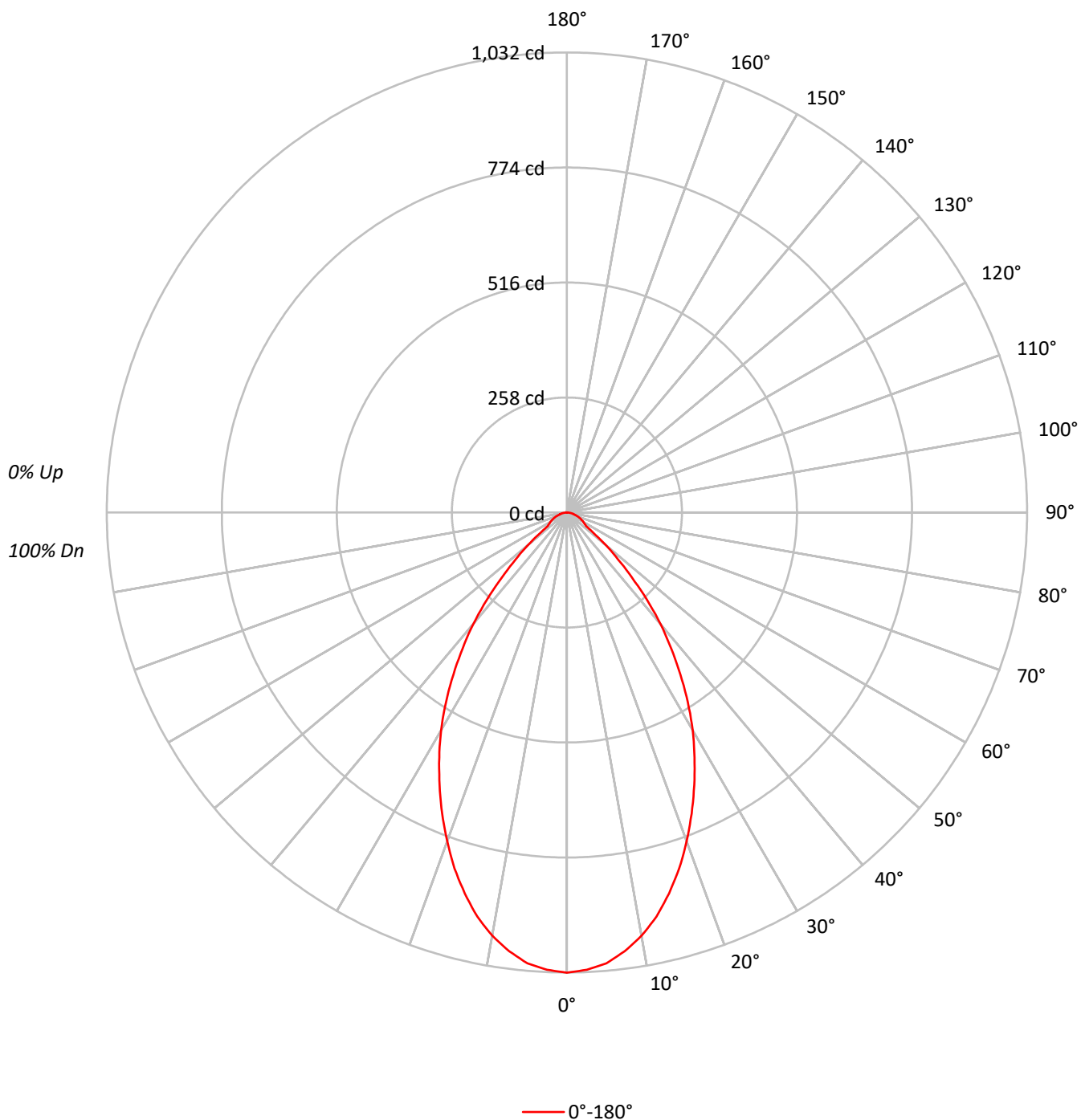
Lumens per Lamp: N/A
Luminaire Lumens: 1204.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272788

CATALOG NUMBER: P3AS20R559827D010 E3DLD1H

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	226385
5°	223486
10°	214670
15°	200796
20°	183183
25°	163437
30°	142933
35°	118775
40°	93633
45°	63510
50°	38822
55°	20109
60°	18727
65°	17693
70°	16413
75°	14488
80°	14396
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63510 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	7.9
10°-20°	247.2	20.5
20°-30°	309.6	25.7
30°-40°	276.3	23.0
40°-50°	161.8	13.4
50°-60°	55.9	4.6
60°-70°	33.8	2.8
70°-80°	18.7	1.6
80°-90°	5.4	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°	652.0	54.2
0°-40°	928.4	77.1
0°-60°	1146.1	95.2
0°-90°	1204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1204.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1032	
5°	1015	95
15°	884	247
25°	676	310
35°	444	276
45°	205	162
55°	53	56
65°	34	34
75°	17	19
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1032.4
2.5°	1026.7
5°	1015.3
7.5°	992.6
10°	964.1
12.5°	928.6
15°	884.5
17.5°	837.6
20°	785.0
22.5°	730.9
25°	675.5
27.5°	620.0
30°	564.5
32.5°	504.8
35°	443.7
37.5°	383.9
40°	327.1
42.5°	265.9
45°	204.8
47.5°	156.4
50°	113.8
52.5°	73.9
55°	52.6
57.5°	46.9
60°	42.7
62.5°	38.4
65°	34.1
67.5°	29.9
70°	25.6
72.5°	21.3
75°	17.1
77.5°	14.2
80°	11.4
82.5°	7.1
85°	4.3
87.5°	2.8
90°	0.0

(END OF REPORT)