

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: P1250142

Luminaire Tested: P3AS20R609027D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R609027D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

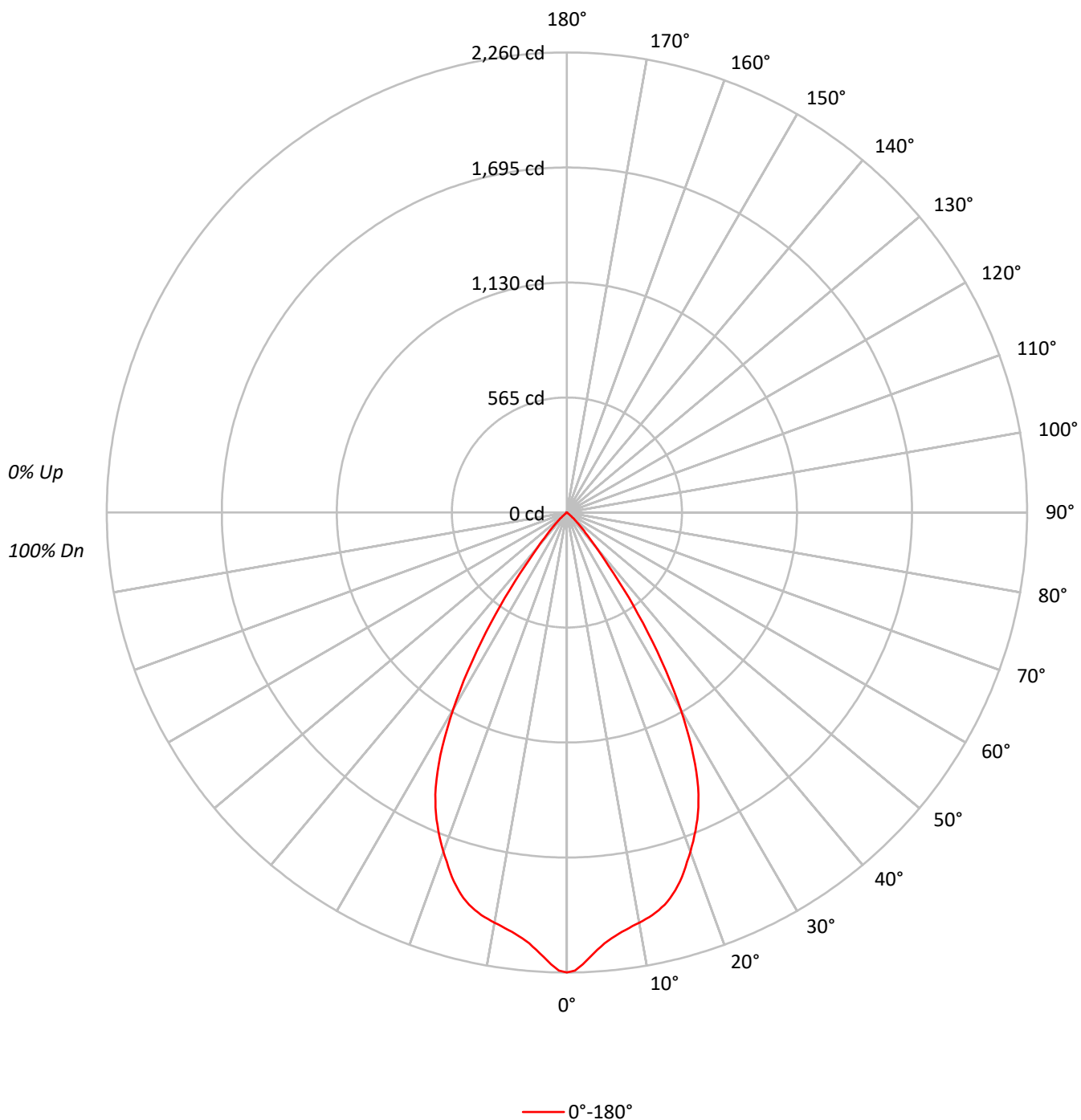
Lumens per Lamp: N/A
Luminaire Lumens: 1891.0 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1250142

CATALOG NUMBER: P3AS20R609027D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1250142

CATALOG NUMBER: P3AS20R609027D010 E3D1LI

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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	65	61	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	495465
5°	467729
10°	455569
15°	445156
20°	413899
25°	370013
30°	282626
35°	163185
40°	63319
45°	26390
50°	5799
55°	879
60°	658
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26390 cd/sqm

TEST NUMBER: P1250142

CATALOG NUMBER: P3AS20R609027D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	10.6
10°-20°	546.2	28.9
20°-30°	684.1	36.2
30°-40°	382.5	20.2
40°-50°	72.7	3.8
50°-60°	3.7	0.2
60°-70°	0.9	0.0
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	1431.0	75.7
0°-40°	1813.4	95.9
0°-60°	1889.8	99.9
0°-90°	1891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2260	
5°	2125	201
15°	1961	546
25°	1529	684
35°	610	382
45°	85	73
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1250142

CATALOG NUMBER: P3AS20R609027D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2259.5
1°	2250.2
2°	2220.8
3°	2186.0
4°	2153.5
5°	2124.9
6°	2103.3
7°	2084.7
8°	2070.8
9°	2057.6
10°	2046.0
11°	2034.4
12°	2021.3
13°	2005.0
14°	1985.7
15°	1960.9
16°	1930.8
17°	1896.7
18°	1858.0
19°	1814.0
20°	1773.7
21°	1730.4
22°	1685.5
23°	1638.4
24°	1586.5
25°	1529.3
26°	1462.0
27°	1387.0
28°	1302.6
29°	1212.9
30°	1116.2
31°	1018.8
32°	918.2
32.5°	863.3
33°	813.8
34°	710.9
35°	609.6
36°	518.3
37°	421.6
37.5°	377.5
38°	334.2
39°	269.2
40°	221.2
42.5°	134.6
45°	85.1



TEST NUMBER: P1250142
CATALOG NUMBER: P3AS20R609027D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	47.2
50°	17.0
52.5°	3.9
55°	2.3
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)