

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: P1272872

Luminaire Tested: P3AS20R709827D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709827D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

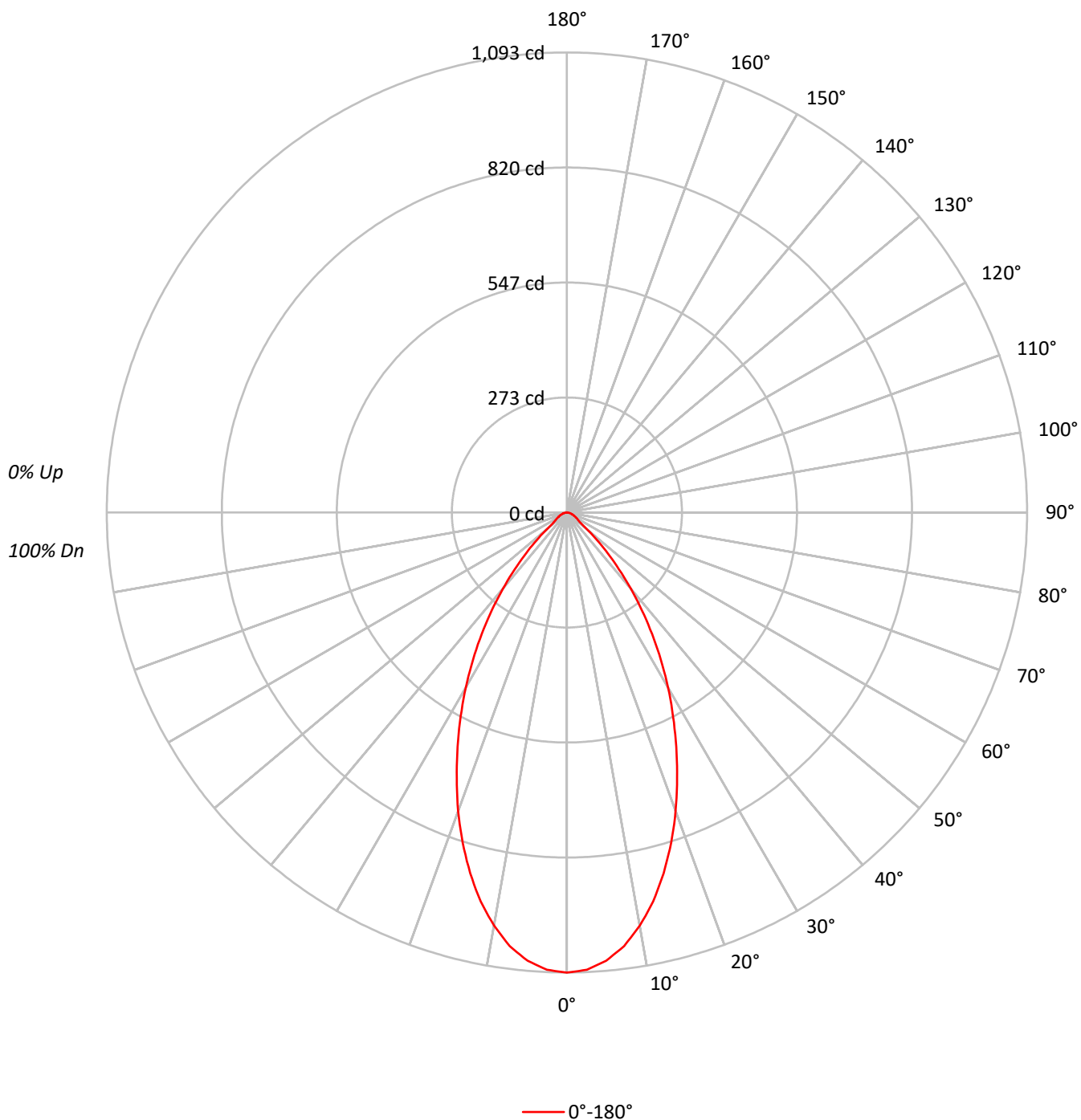
Lumens per Lamp: N/A
Luminaire Lumens: 1022.0 lumens
Efficiency: N/A
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272872

CATALOG NUMBER: P3AS20R709827D010 E3DL1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1272872

CATALOG NUMBER: P3AS20R709827D010 E3DL1WH

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	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84
4	95	86	80	76	93	85	80	75	83	78	74		81	77	73		79
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	69	63	59	68	62	58		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	58	52	48	67	58	52	48	57	51	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239718
5°	235306
10°	221884
15°	201386
20°	176159
25°	148581
30°	121664
35°	94388
40°	67555
45°	42764
50°	21355
55°	13037
60°	11227
65°	10325
70°	9104
75°	8472
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42764 cd/sqm

TEST NUMBER: P1272872

CATALOG NUMBER: P3AS20R709827D010 E3DL1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	9.8
10°-20°	246.8	24.2
20°-30°	281.1	27.5
30°-40°	219.8	21.5
40°-50°	108.0	10.6
50°-60°	33.2	3.3
60°-70°	19.7	1.9
70°-80°	10.5	1.0
80°-90°	3.1	0.3
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°	627.7	61.4
0°-40°	847.5	82.9
0°-60°	988.8	96.7
0°-90°	1022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1093	
5°	1069	100
15°	887	247
25°	614	281
35°	353	220
45°	138	108
55°	34	33
65°	20	20
75°	10	11
85°	3	3
90°	0	

TEST NUMBER: P1272872

CATALOG NUMBER: P3AS20R709827D010 E3DL1WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1093.2
2.5°	1087.5
5°	1069.0
7.5°	1039.2
10°	996.5
12.5°	946.8
15°	887.1
17.5°	823.1
20°	754.9
22.5°	683.8
25°	614.1
27.5°	545.9
30°	480.5
32.5°	415.1
35°	352.6
37.5°	292.9
40°	236.0
42.5°	183.4
45°	137.9
47.5°	96.7
50°	62.6
52.5°	41.2
55°	34.1
57.5°	29.9
60°	25.6
62.5°	22.7
65°	19.9
67.5°	17.1
70°	14.2
72.5°	11.4
75°	10.0
77.5°	8.5
80°	5.7
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)