

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: P1272752

Luminaire Tested: P3AS20R509827D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509827D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

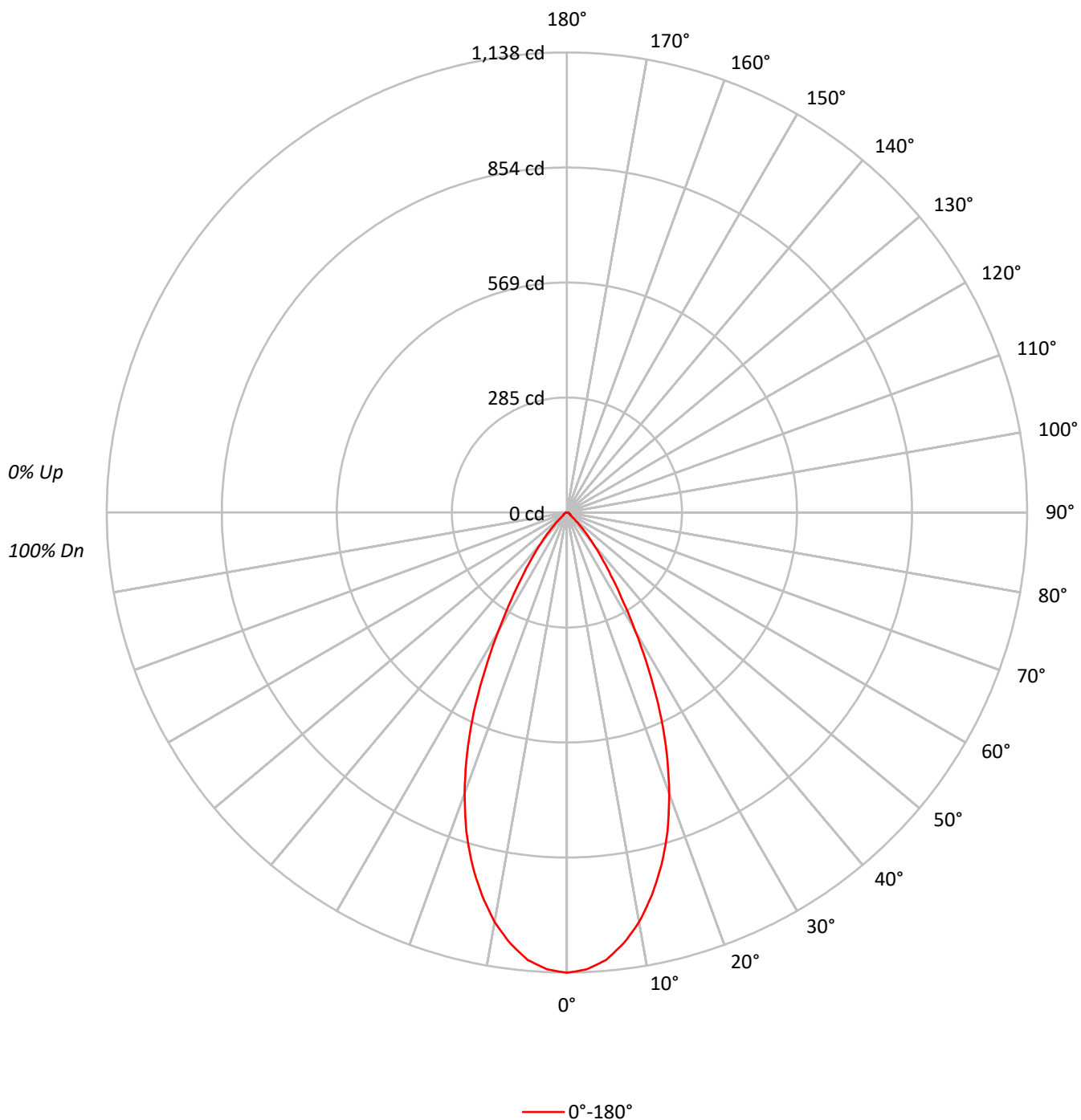
Lumens per Lamp: N/A
Luminaire Lumens: 784.1 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272752

CATALOG NUMBER: P3AS20R509827D010 E3DL1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1272752

CATALOG NUMBER: P3AS20R509827D010 E3DL1GPH

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	249607
5°	244573
10°	229098
15°	205086
20°	172588
25°	131717
30°	85608
35°	50754
40°	29341
45°	14699
50°	5458
55°	4282
60°	3991
65°	3632
70°	3590
75°	3558
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14699 cd/sqm

TEST NUMBER: P1272752

CATALOG NUMBER: P3AS20R509827D010 E3DL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	13.2
10°-20°	249.8	31.9
20°-30°	245.1	31.3
30°-40°	123.5	15.7
40°-50°	39.0	5.0
50°-60°	10.1	1.3
60°-70°	7.2	0.9
70°-80°	4.4	0.6
80°-90°	1.5	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°	598.3	76.3
0°-40°	721.8	92.1
0°-60°	770.9	98.3
0°-90°	784.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1138	
5°	1111	103
15°	903	250
25°	544	245
35°	190	123
45°	47	39
55°	11	10
65°	7	7
75°	4	4
85°	1	2
90°	0	

TEST NUMBER: P1272752

CATALOG NUMBER: P3AS20R509827D010 E3DL1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1138.3
2.5°	1131.3
5°	1111.1
7.5°	1074.9
10°	1028.9
12.5°	969.6
15°	903.4
17.5°	826.7
20°	739.6
22.5°	645.5
25°	544.4
27.5°	437.1
30°	338.1
32.5°	254.4
35°	189.6
37.5°	140.1
40°	102.5
42.5°	72.5
45°	47.4
47.5°	27.2
50°	16.0
52.5°	11.9
55°	11.2
57.5°	9.8
60°	9.1
62.5°	8.4
65°	7.0
67.5°	6.3
70°	5.6
72.5°	4.9
75°	4.2
77.5°	3.5
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)