

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: P1272707

Luminaire Tested: P3AS20R409827D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409827D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

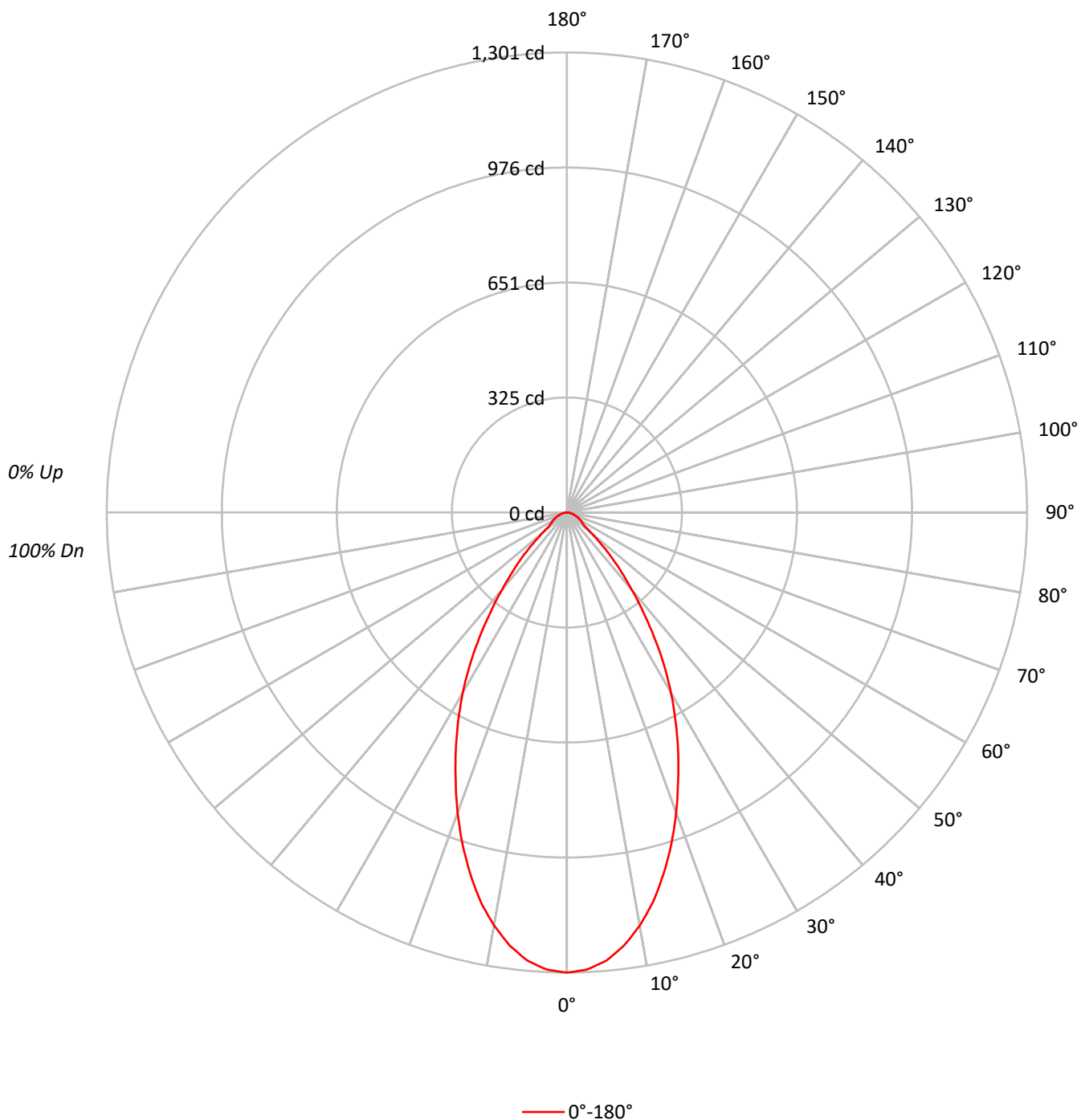
Lumens per Lamp: N/A
Luminaire Lumens: 1271.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272707

CATALOG NUMBER: P3AS20R409827D010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272707

CATALOG NUMBER: P3AS20R409827D010 E3DLD1MW

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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	285306
5°	280145
10°	264057
15°	239842
20°	210718
25°	179938
30°	149061
35°	114947
40°	81810
45°	55138
50°	30089
55°	21218
60°	19955
65°	18471
70°	16413
75°	15674
80°	12628
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55138 cd/sqm

TEST NUMBER: P1272707

CATALOG NUMBER: P3AS20R409827D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	9.3
10°-20°	294.3	23.2
20°-30°	340.2	26.8
30°-40°	268.1	21.1
40°-50°	137.6	10.8
50°-60°	52.6	4.1
60°-70°	34.8	2.7
70°-80°	18.9	1.5
80°-90°	5.6	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°	753.2	59.3
0°-40°	1021.4	80.4
0°-60°	1211.7	95.3
0°-90°	1271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1301	
5°	1273	119
15°	1056	294
25°	744	340
35°	429	268
45°	178	138
55°	56	53
65°	36	35
75°	18	19
85°	4	6
90°	0	

TEST NUMBER: P1272707

CATALOG NUMBER: P3AS20R409827D010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1301.1
2.5°	1294.0
5°	1272.7
7.5°	1235.7
10°	1185.9
12.5°	1127.6
15°	1056.5
17.5°	982.6
20°	903.0
22.5°	821.9
25°	743.7
27.5°	665.5
30°	588.7
32.5°	510.5
35°	429.4
37.5°	354.1
40°	285.8
42.5°	227.5
45°	177.8
47.5°	129.4
50°	88.2
52.5°	64.0
55°	55.5
57.5°	49.8
60°	45.5
62.5°	39.8
65°	35.6
67.5°	29.9
70°	25.6
72.5°	21.3
75°	18.5
77.5°	14.2
80°	10.0
82.5°	8.5
85°	4.3
87.5°	2.8
90°	0.0

(END OF REPORT)