

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: P1272647

Luminaire Tested: P3AS20R309827D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

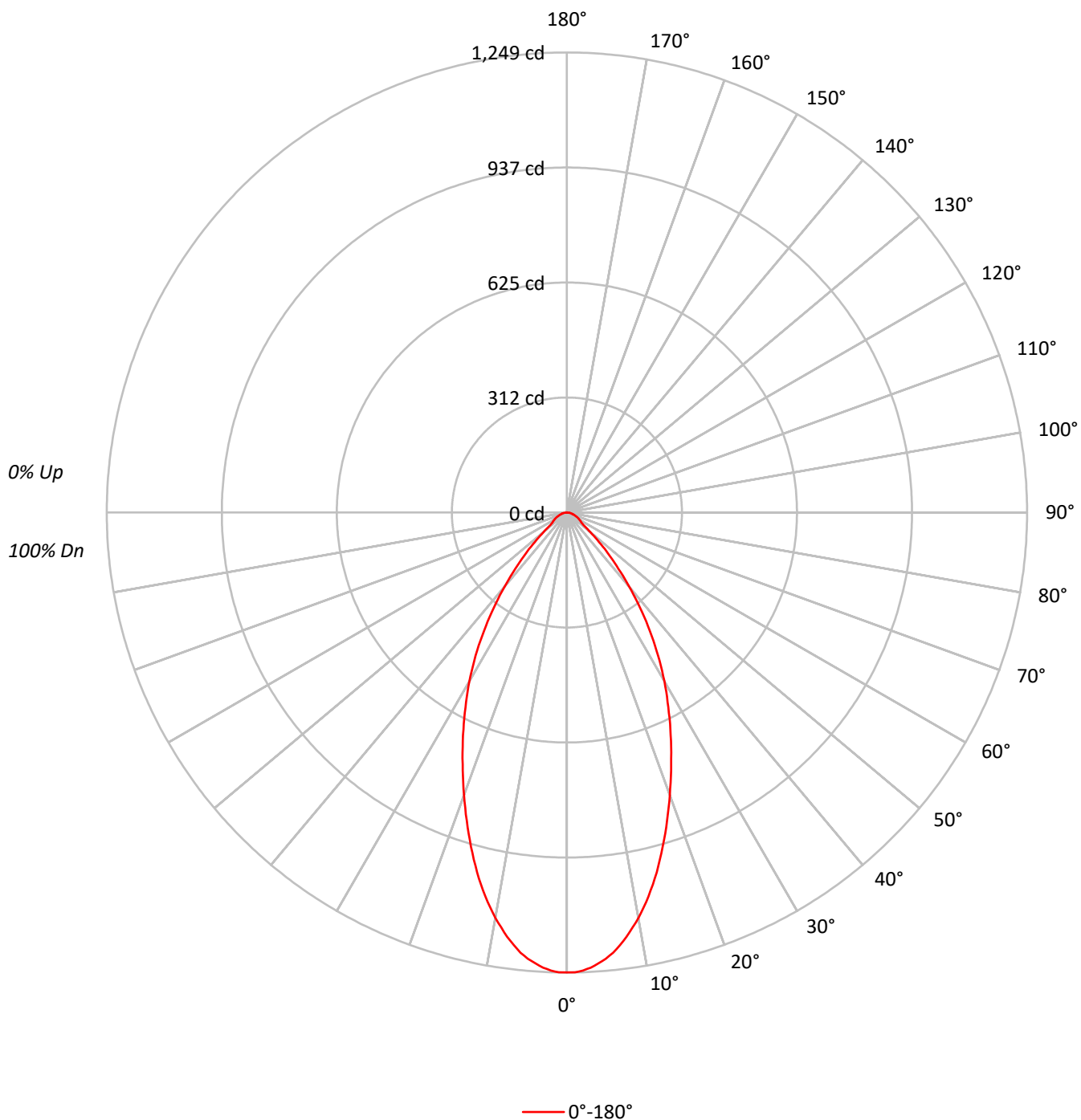
Lumens per Lamp: N/A
Luminaire Lumens: 1159.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272647

CATALOG NUMBER: P3AS20R309827D010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272647

CATALOG NUMBER: P3AS20R309827D010 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	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	85	79	74	92	84	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	54	74	64	58	53	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273816
5°	267664
10°	248915
15°	221477
20°	190487
25°	161380
30°	133970
35°	105069
40°	75313
45°	49400
50°	28144
55°	18504
60°	17455
65°	16240
70°	14618
75°	13217
80°	12628
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49400 cd/sqm

TEST NUMBER: P1272647

CATALOG NUMBER: P3AS20R309827D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	9.7
10°-20°	271.2	23.4
20°-30°	305.7	26.4
30°-40°	244.1	21.1
40°-50°	125.4	10.8
50°-60°	47.2	4.1
60°-70°	31.0	2.7
70°-80°	16.7	1.4
80°-90°	4.8	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°	689.8	59.5
0°-40°	933.9	80.6
0°-60°	1106.5	95.5
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1249	
5°	1216	113
15°	976	271
25°	667	306
35°	392	244
45°	159	125
55°	48	47
65°	31	31
75°	16	17
85°	4	5
90°	0	

TEST NUMBER: P1272647

CATALOG NUMBER: P3AS20R309827D010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1248.7
1°	1248.7
2°	1244.4
3°	1237.3
4°	1227.4
5°	1216.0
6°	1201.8
7°	1183.3
8°	1163.4
9°	1140.6
10°	1117.9
11°	1092.3
12°	1065.2
13°	1036.8
14°	1006.9
15°	975.6
17.5°	896.0
20°	816.3
22.5°	739.5
25°	667.0
27.5°	595.9
30°	529.1
32.5°	460.8
35°	392.5
37.5°	325.7
40°	263.1
42.5°	207.6
45°	159.3
47.5°	118.0
50°	82.5
52.5°	58.3
55°	48.4
57.5°	44.1
60°	39.8
62.5°	35.6
65°	31.3
67.5°	27.0
70°	22.8
72.5°	18.5
75°	15.6
77.5°	12.8
80°	10.0
82.5°	7.1
85°	4.3
87.5°	1.4



TEST NUMBER: P1272647

CATALOG NUMBER: P3AS20R309827D010 E3DLD1MW

CANDELA DISTRIBUTION (continued):



(END OF REPORT)