

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: P1272655

Luminaire Tested: P3AS20R309827D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

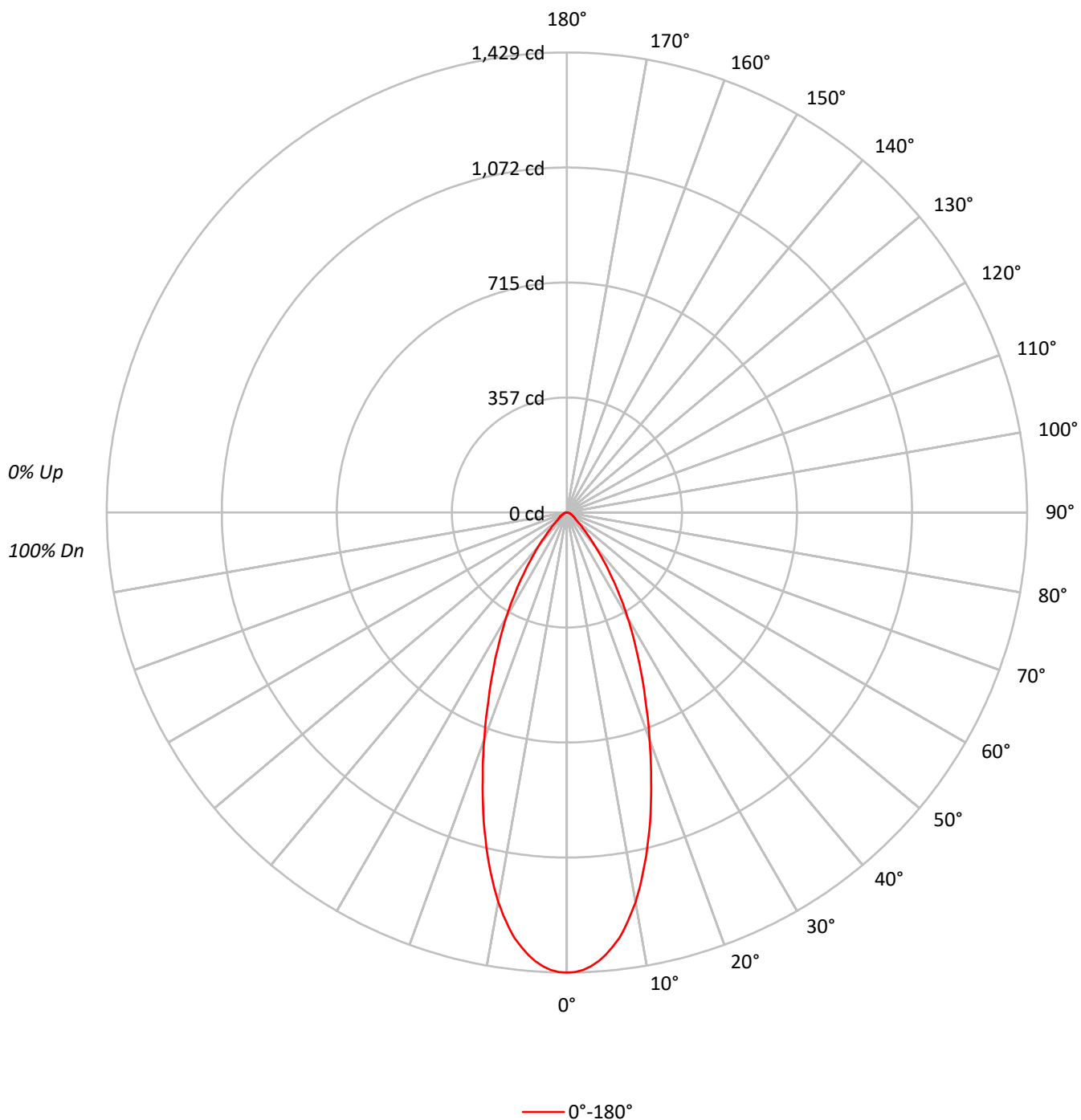
Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 33.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272655

CATALOG NUMBER: P3AS20R309827D010 E3DLP1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272655

CATALOG NUMBER: P3AS20R309827D010 E3DLP1WMH

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	84	78	73	90	83	77	73	81	76	72		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	74	68	64	72	67	63		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	67	61	57	75	66	60	57	65	60	56		64	60	56		63
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313352
5°	303609
10°	273542
15°	226290
20°	175202
25°	131427
30°	95407
35°	63577
40°	39073
45°	22917
50°	14055
55°	11431
60°	9999
65°	8094
70°	7309
75°	7202
80°	5430
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22917 cd/sqm

TEST NUMBER: P1272655

CATALOG NUMBER: P3AS20R309827D010 E3DLP1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	13.8
10°-20°	274.5	29.9
20°-30°	249.8	27.2
30°-40°	151.0	16.5
40°-50°	60.5	6.6
50°-60°	26.8	2.9
60°-70°	16.2	1.8
70°-80°	8.8	1.0
80°-90°	2.5	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°	651.2	71.0
0°-40°	802.2	87.5
0°-60°	889.5	97.0
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1429	
5°	1379	127
15°	997	275
25°	543	250
35°	238	151
45°	74	61
55°	30	27
65°	16	16
75°	8	9
85°	3	2
90°	0	

TEST NUMBER: P1272655

CATALOG NUMBER: P3AS20R309827D010 E3DLP1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1429.0
1°	1427.6
2°	1421.9
3°	1412.0
4°	1397.7
5°	1379.3
6°	1356.5
7°	1332.3
8°	1301.0
9°	1265.5
10°	1228.5
11°	1185.9
12°	1140.4
13°	1094.9
14°	1045.1
15°	996.8
17.5°	870.2
20°	750.8
22.5°	639.9
25°	543.2
27.5°	455.0
30°	376.8
32.5°	304.3
35°	237.5
37.5°	182.0
40°	136.5
42.5°	99.5
45°	73.9
47.5°	55.5
50°	41.2
52.5°	32.7
55°	29.9
57.5°	25.6
60°	22.8
62.5°	18.5
65°	15.6
67.5°	14.2
70°	11.4
72.5°	10.0
75°	8.5
77.5°	7.1
80°	4.3
82.5°	2.8
85°	2.8
87.5°	1.4



TEST NUMBER: P1272655

CATALOG NUMBER: P3AS20R309827D010 E3DLP1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)