

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: P1258253

Luminaire Tested: P3AS20R559040D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559040D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

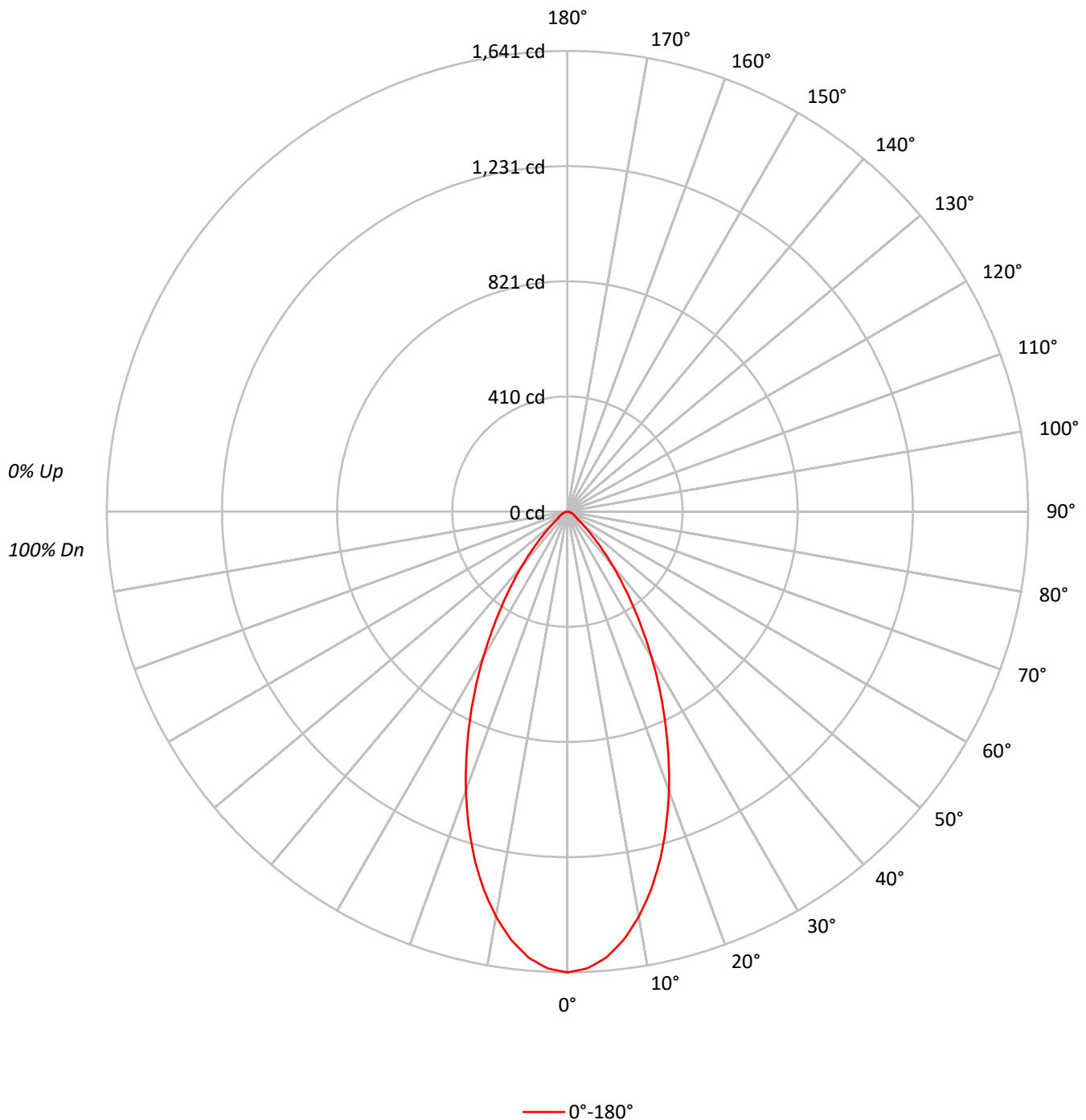
Lumens per Lamp: N/A
Luminaire Lumens: 1323.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1258253

CATALOG NUMBER: P3AS20R559040D010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1258253

CATALOG NUMBER: P3AS20R559040D010 E3DLP1MW

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	105	110	108	105	103	104	102	100		100	98	97		97
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	359905
5°	350869
10°	326202
15°	290490
20°	246841
25°	199221
30°	151871
35°	108014
40°	71276
45°	42268
50°	24801
55°	15292
60°	13552
65°	12245
70°	10515
75°	9235
80°	9218
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42268 cd/sqm

TEST NUMBER: P1258253

CATALOG NUMBER: P3AS20R559040D010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	11.2
10°-20°	354.7	26.8
20°-30°	375.7	28.4
30°-40°	253.9	19.2
40°-50°	111.3	8.4
50°-60°	39.9	3.0
60°-70°	23.4	1.8
70°-80°	12.2	0.9
80°-90°	4.0	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°	878.5	66.4
0°-40°	1132.4	85.6
0°-60°	1283.5	97.0
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1641	
5°	1594	148
15°	1280	355
25°	823	376
35°	404	254
45°	136	111
55°	40	40
65°	24	23
75°	11	12
85°	4	4
90°	0	

TEST NUMBER: P1258253

CATALOG NUMBER: P3AS20R559040D010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1641.3
2.5°	1628.5
5°	1594.0
7.5°	1537.7
10°	1465.0
12.5°	1377.7
15°	1279.6
17.5°	1170.5
20°	1057.8
22.5°	939.7
25°	823.4
27.5°	708.9
30°	599.8
32.5°	496.2
35°	403.5
37.5°	319.9
40°	249.0
42.5°	187.2
45°	136.3
47.5°	100.0
50°	72.7
52.5°	50.9
55°	40.0
57.5°	36.4
60°	30.9
62.5°	27.3
65°	23.6
67.5°	20.0
70°	16.4
72.5°	14.5
75°	10.9
77.5°	9.1
80°	7.3
82.5°	5.5
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)