

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: P1258241

Luminaire Tested: P3AS20R559040D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559040D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

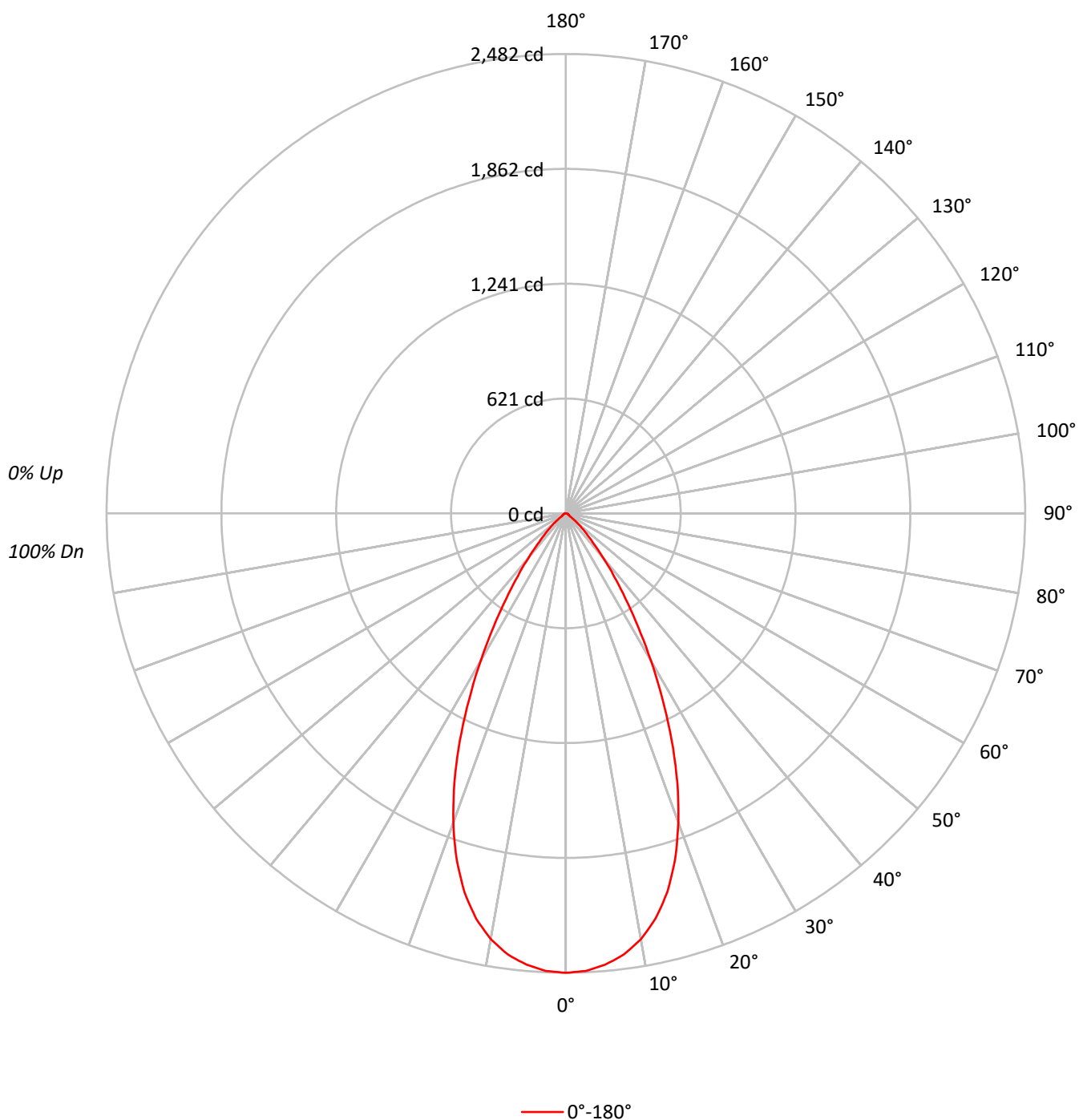
Lumens per Lamp: N/A
Luminaire Lumens: 1982.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258241

CATALOG NUMBER: P3AS20R559040D010 E3DL1MW

Luminous Intensity Polar Plot



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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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	544233
5°	538718
10°	520253
15°	480888
20°	414973
25°	327745
30°	232491
35°	149908
40°	90054
45°	50734
50°	27291
55°	9749
60°	8771
65°	8509
70°	8142
75°	7710
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50734 cd/sqm

TEST NUMBER: P1258241

CATALOG NUMBER: P3AS20R559040D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.2	11.6
10°-20°	585.8	29.6
20°-30°	613.9	31.0
30°-40°	358.1	18.1
40°-50°	134.0	6.8
50°-60°	31.6	1.6
60°-70°	16.2	0.8
70°-80°	9.6	0.5
80°-90°	2.7	0.1
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°	1429.8	72.1
0°-40°	1787.9	90.2
0°-60°	1953.5	98.6
0°-90°	1982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1982.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2482	
5°	2447	230
15°	2118	586
25°	1355	614
35°	560	358
45°	164	134
55°	26	32
65°	16	16
75°	9	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2481.9
2.5°	2474.7
5°	2447.4
7.5°	2403.8
10°	2336.5
12.5°	2241.9
15°	2118.3
17.5°	1961.9
20°	1778.3
22.5°	1572.8
25°	1354.6
27.5°	1131.0
30°	918.2
32.5°	725.5
35°	560.0
37.5°	425.5
40°	314.6
42.5°	225.5
45°	163.6
47.5°	118.2
50°	80.0
52.5°	45.5
55°	25.5
57.5°	21.8
60°	20.0
62.5°	18.2
65°	16.4
67.5°	14.5
70°	12.7
72.5°	10.9
75°	9.1
77.5°	7.3
80°	5.5
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)