

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: P1274854

Luminaire Tested: P3AS20R559830D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274854
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: P3AS20R559830D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

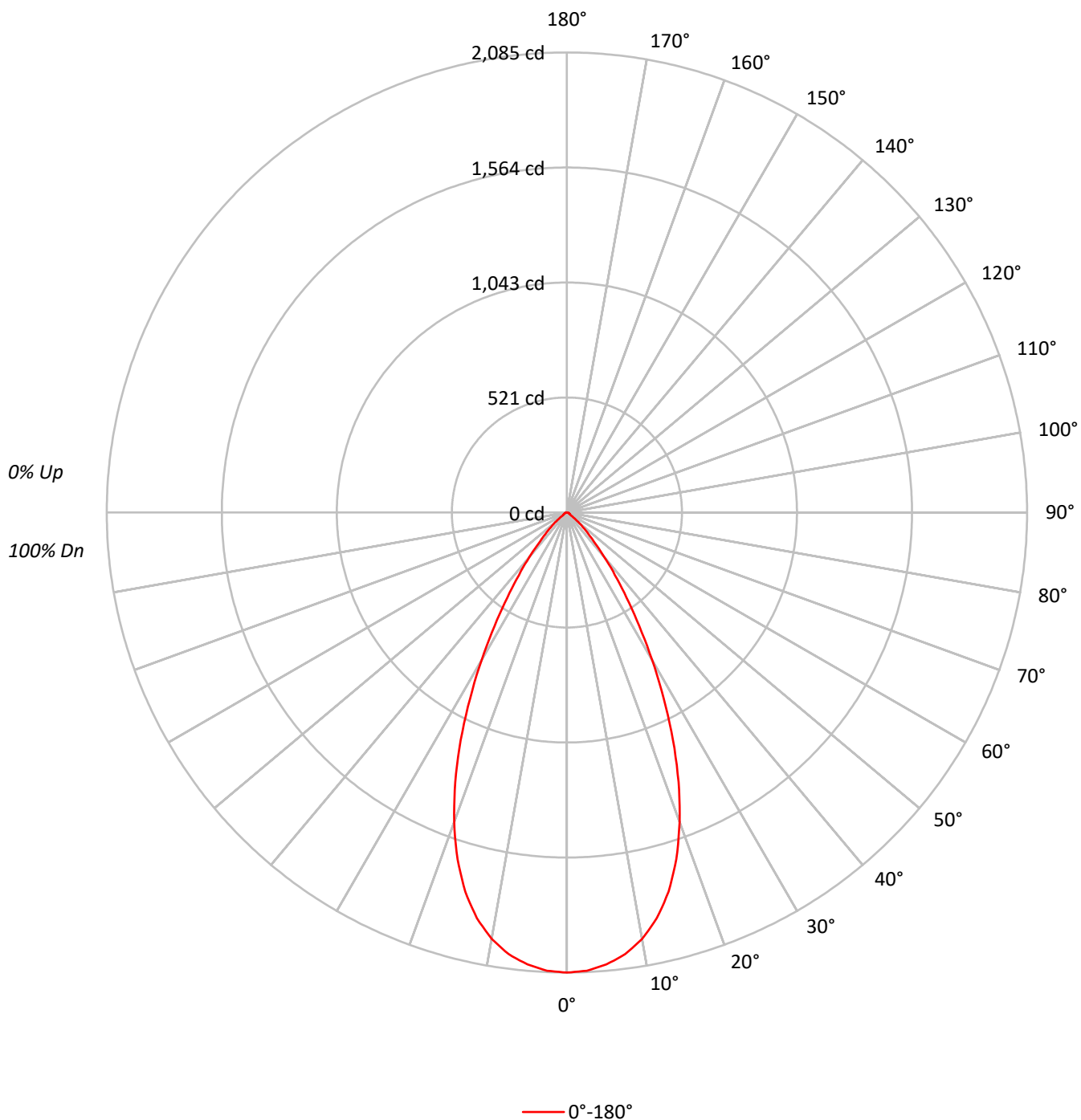
Lumens per Lamp: N/A
Luminaire Lumens: 1665.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	457200
5°	452563
10°	437044
15°	403975
20°	348607
25°	275338
30°	195321
35°	125949
40°	75656
45°	42640
50°	22925
55°	8181
60°	7368
65°	7108
70°	6860
75°	6439
80°	5809
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.4	11.6
10°-20°	492.1	29.6
20°-30°	515.7	31.0
30°-40°	300.9	18.1
40°-50°	112.6	6.8
50°-60°	26.5	1.6
60°-70°	13.6	0.8
70°-80°	8.1	0.5
80°-90°	2.3	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°	1201.1	72.1
0°-40°	1502.0	90.2
0°-60°	1641.1	98.6
0°-90°	1665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2085	
5°	2056	193
15°	1780	492
25°	1138	516
35°	470	301
45°	138	113
55°	21	26
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2085.0
2.5°	2078.9
5°	2056.0
7.5°	2019.3
10°	1962.8
12.5°	1883.4
15°	1779.5
17.5°	1648.1
20°	1493.9
22.5°	1321.3
25°	1138.0
27.5°	950.1
30°	771.4
32.5°	609.5
35°	470.5
37.5°	357.4
40°	264.3
42.5°	189.4
45°	137.5
47.5°	99.3
50°	67.2
52.5°	38.2
55°	21.4
57.5°	18.3
60°	16.8
62.5°	15.3
65°	13.7
67.5°	12.2
70°	10.7
72.5°	9.2
75°	7.6
77.5°	6.1
80°	4.6
82.5°	3.1
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)