

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: P1272786

Luminaire Tested: P3AS20R559827D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272786
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: P3AS20R559827D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

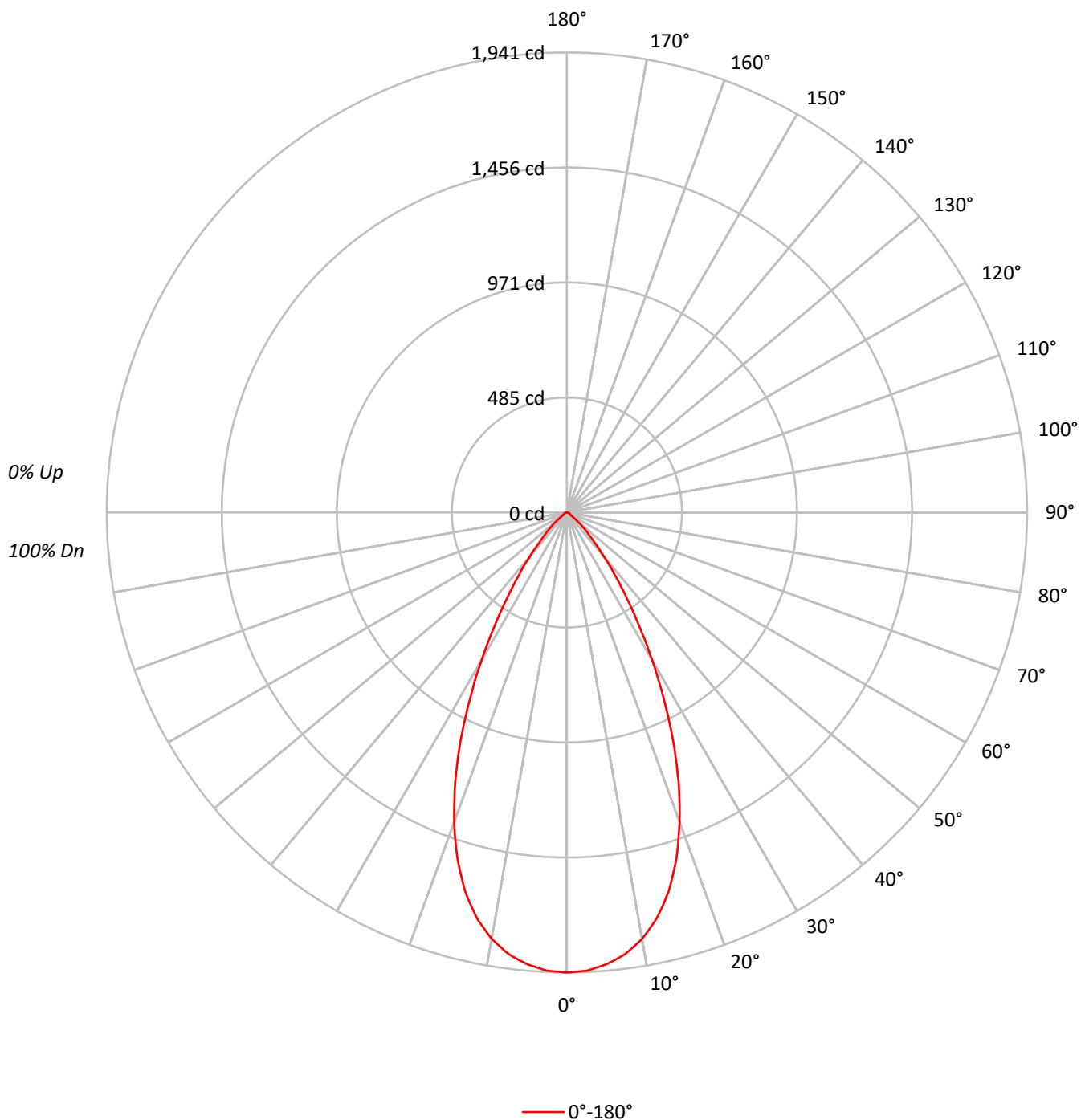
Lumens per Lamp: N/A
Luminaire Lumens: 1550.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	425624
5°	421306
10°	406851
15°	376075
20°	324525
25°	256321
30°	181825
35°	117249
40°	70418
45°	39694
50°	21355
55°	7608
60°	6842
65°	6641
70°	6411
75°	6015
80°	5430
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	11.6
10°-20°	458.1	29.6
20°-30°	480.1	31.0
30°-40°	280.1	18.1
40°-50°	104.8	6.8
50°-60°	24.7	1.6
60°-70°	12.7	0.8
70°-80°	7.5	0.5
80°-90°	2.1	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°	1118.2	72.1
0°-40°	1398.3	90.2
0°-60°	1527.7	98.6
0°-90°	1550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1550.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1941	
5°	1914	180
15°	1657	458
25°	1059	480
35°	438	280
45°	128	105
55°	20	25
65°	13	13
75°	7	8
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1941.0
2.5°	1935.3
5°	1914.0
7.5°	1879.8
10°	1827.2
12.5°	1753.3
15°	1656.6
17.5°	1534.3
20°	1390.7
22.5°	1230.0
25°	1059.4
27.5°	884.5
30°	718.1
32.5°	567.4
35°	438.0
37.5°	332.7
40°	246.0
42.5°	176.3
45°	128.0
47.5°	92.4
50°	62.6
52.5°	35.5
55°	19.9
57.5°	17.1
60°	15.6
62.5°	14.2
65°	12.8
67.5°	11.4
70°	10.0
72.5°	8.5
75°	7.1
77.5°	5.7
80°	4.3
82.5°	2.8
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)