

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: P1272702

Luminaire Tested: P3AS20R409827D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409827D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

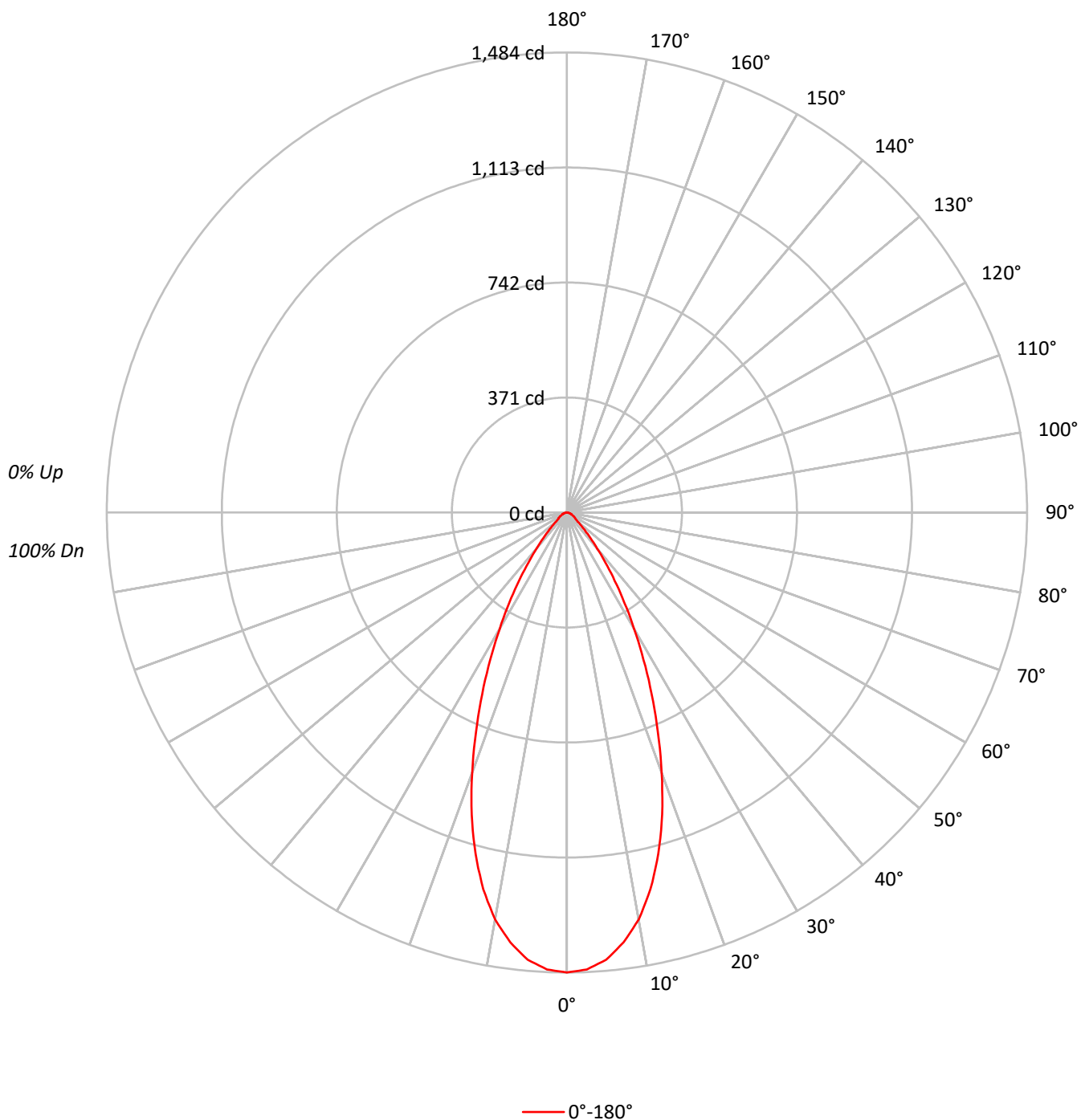
Lumens per Lamp: N/A
Luminaire Lumens: 1044.9 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325391
5°	318797
10°	296833
15°	258708
20°	208501
25°	156275
30°	109865
35°	71982
40°	43567
45°	26018
50°	15522
55°	12501
60°	11227
65°	9599
70°	9104
75°	7202
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26018 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	12.9
10°-20°	313.9	30.0
20°-30°	295.8	28.3
30°-40°	171.0	16.4
40°-50°	68.1	6.5
50°-60°	30.2	2.9
60°-70°	18.6	1.8
70°-80°	9.7	0.9
80°-90°	3.1	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°	744.2	71.2
0°-40°	915.2	87.6
0°-60°	1013.5	97.0
0°-90°	1044.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1484	
5°	1448	134
15°	1140	314
25°	646	296
35°	269	171
45°	84	68
55°	33	30
65°	18	19
75°	8	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1483.9
2.5°	1475.4
5°	1448.3
7.5°	1398.5
10°	1333.1
12.5°	1244.9
15°	1139.6
17.5°	1021.5
20°	893.5
22.5°	765.4
25°	645.9
27.5°	534.9
30°	433.9
32.5°	345.7
35°	268.9
37.5°	203.4
40°	152.2
42.5°	113.8
45°	83.9
47.5°	61.2
50°	45.5
52.5°	37.0
55°	32.7
57.5°	29.9
60°	25.6
62.5°	21.3
65°	18.5
67.5°	15.6
70°	14.2
72.5°	11.4
75°	8.5
77.5°	7.1
80°	5.7
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)