

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: P1274827

Luminaire Tested: P3AS20R509830D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509830D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

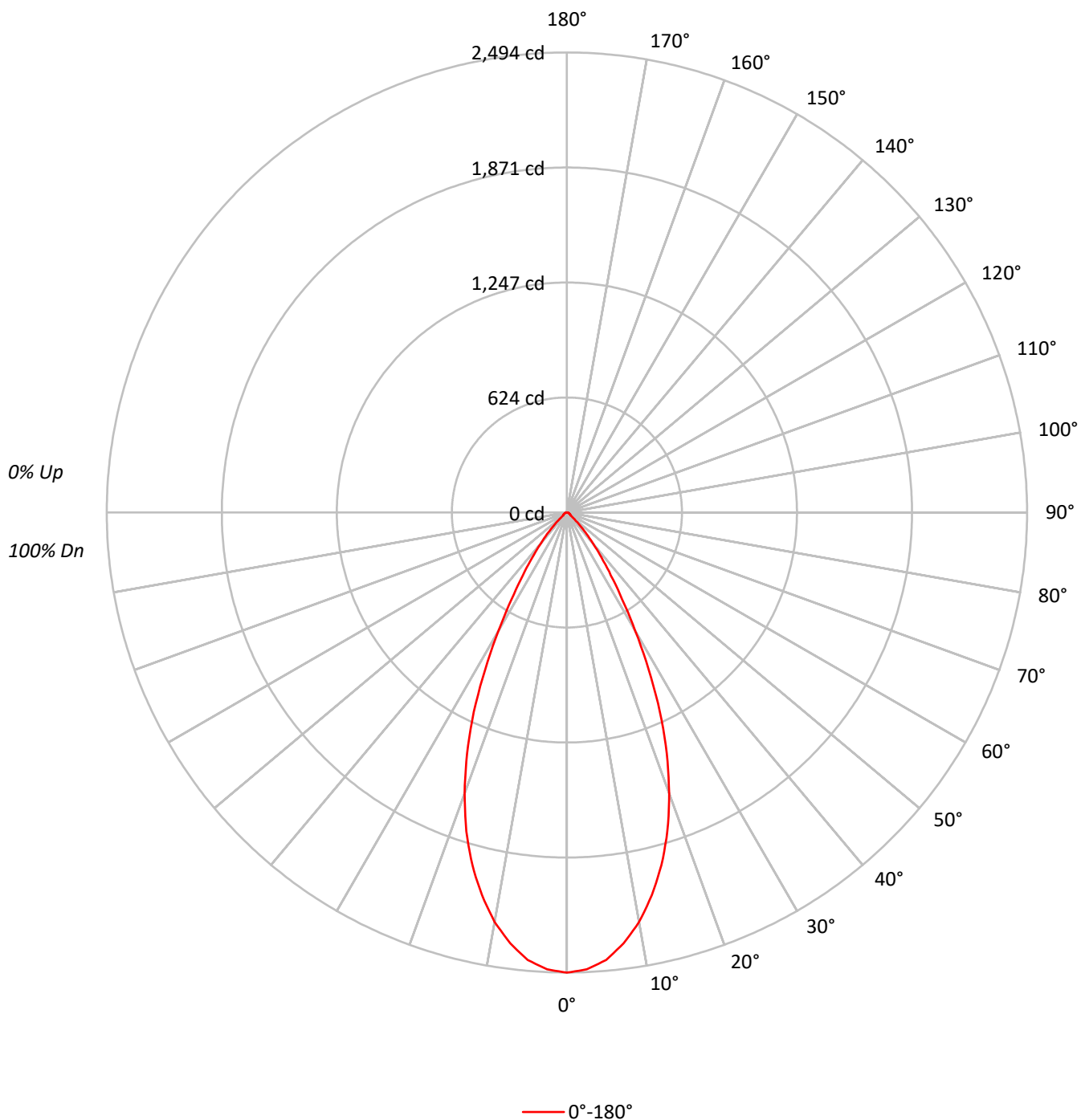
Lumens per Lamp: N/A
Luminaire Lumens: 1718.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	546974
5°	535966
10°	502017
15°	449424
20°	378196
25°	288646
30°	187573
35°	111226
40°	64263
45°	32220
50°	11974
55°	9328
60°	8727
65°	7939
70°	7822
75°	7795
80°	7703
85°	7799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32220 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	13.2
10°-20°	547.5	31.9
20°-30°	537.1	31.3
30°-40°	270.6	15.7
40°-50°	85.5	5.0
50°-60°	22.2	1.3
60°-70°	15.7	0.9
70°-80°	9.7	0.6
80°-90°	3.3	0.2
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°	1311.1	76.3
0°-40°	1581.7	92.1
0°-60°	1689.3	98.3
0°-90°	1718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2494	
5°	2435	227
15°	1980	547
25°	1193	537
35°	416	271
45°	104	86
55°	24	22
65°	15	16
75°	9	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2494.4
2.5°	2479.2
5°	2434.9
7.5°	2355.4
10°	2254.6
12.5°	2124.8
15°	1979.7
17.5°	1811.6
20°	1620.7
22.5°	1414.5
25°	1193.0
27.5°	957.8
30°	740.8
32.5°	557.5
35°	415.5
37.5°	307.0
40°	224.5
42.5°	158.9
45°	103.9
47.5°	59.6
50°	35.1
52.5°	26.0
55°	24.4
57.5°	21.4
60°	19.9
62.5°	18.3
65°	15.3
67.5°	13.7
70°	12.2
72.5°	10.7
75°	9.2
77.5°	7.6
80°	6.1
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0

(END OF REPORT)