

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: P1274796

Luminaire Tested: P3AS20R459830D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459830D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

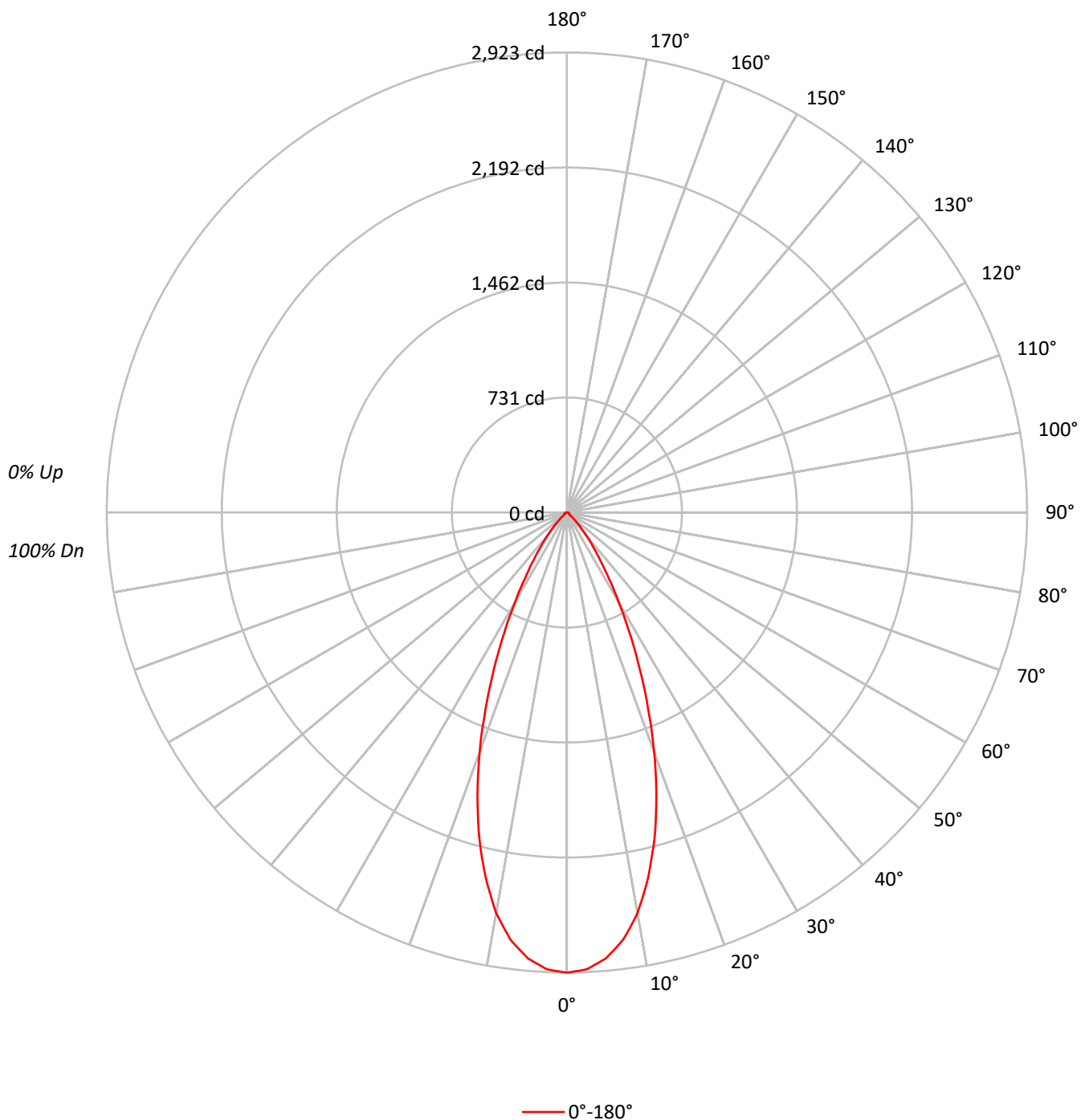
Lumens per Lamp: N/A
Luminaire Lumens: 1707.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77	74	71	70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67	66
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70	67	64	62
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67	63	61	59
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	641045
5°	626016
10°	575474
15°	487608
20°	378313
25°	264451
30°	166583
35°	98082
40°	55504
45°	26980
50°	9381
55°	7570
60°	7368
65°	7108
70°	6860
75°	6439
80°	5809
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26980 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.3	15.4
10°-20°	589.8	34.6
20°-30°	500.9	29.3
30°-40°	238.9	14.0
40°-50°	71.9	4.2
50°-60°	18.2	1.1
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°	1353.9	79.3
0°-40°	1592.9	93.3
0°-60°	1683.1	98.6
0°-90°	1707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2923	
5°	2844	263
15°	2148	590
25°	1093	501
35°	366	239
45°	87	72
55°	20	18
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2923.4
2.5°	2905.0
5°	2844.0
7.5°	2738.7
10°	2584.5
12.5°	2379.9
15°	2147.9
17.5°	1889.9
20°	1621.2
22.5°	1348.0
25°	1093.0
27.5°	861.0
30°	657.9
32.5°	494.6
35°	366.4
37.5°	270.2
40°	193.9
42.5°	134.3
45°	87.0
47.5°	48.8
50°	27.5
52.5°	21.4
55°	19.8
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)