

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: P1272871

Luminaire Tested: P3AS20R709827D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709827D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

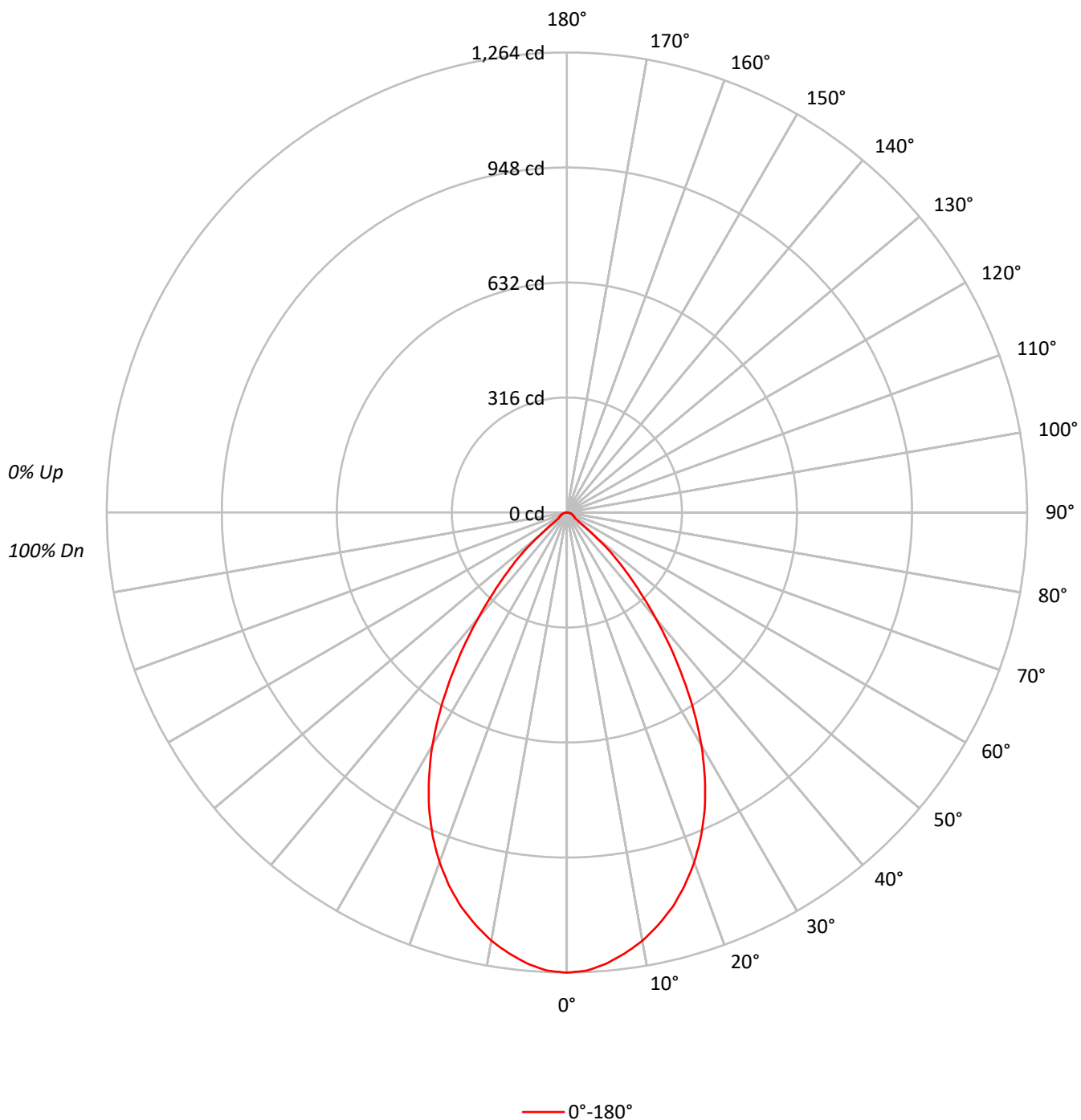
Lumens per Lamp: N/A
Luminaire Lumens: 1432.0 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277215
5°	273893
10°	265994
15°	254712
20°	238604
25°	216763
30°	187244
35°	149238
40°	108689
45°	71449
50°	33466
55°	10322
60°	9999
65°	9599
70°	9104
75°	9658
80°	8966
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71449 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	8.2
10°-20°	314.0	21.9
20°-30°	408.1	28.5
30°-40°	346.3	24.2
40°-50°	178.6	12.5
50°-60°	34.4	2.4
60°-70°	18.7	1.3
70°-80°	11.4	0.8
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°	839.3	58.6
0°-40°	1185.6	82.8
0°-60°	1398.6	97.7
0°-90°	1432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1264	
5°	1244	117
15°	1122	314
25°	896	408
35°	558	346
45°	230	179
55°	27	34
65°	18	19
75°	11	11
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1264.2
2.5°	1260.0
5°	1244.3
7.5°	1221.6
10°	1194.6
12.5°	1160.4
15°	1122.0
17.5°	1075.1
20°	1022.5
22.5°	962.8
25°	895.9
27.5°	820.5
30°	739.5
32.5°	649.9
35°	557.5
37.5°	466.4
40°	379.7
42.5°	298.6
45°	230.4
47.5°	169.2
50°	98.1
52.5°	42.7
55°	27.0
57.5°	25.6
60°	22.8
62.5°	21.3
65°	18.5
67.5°	17.1
70°	14.2
72.5°	12.8
75°	11.4
77.5°	8.5
80°	7.1
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)