

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: P1250061

Luminaire Tested: P3AS20R459027D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250061
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: P3AS20R459027D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

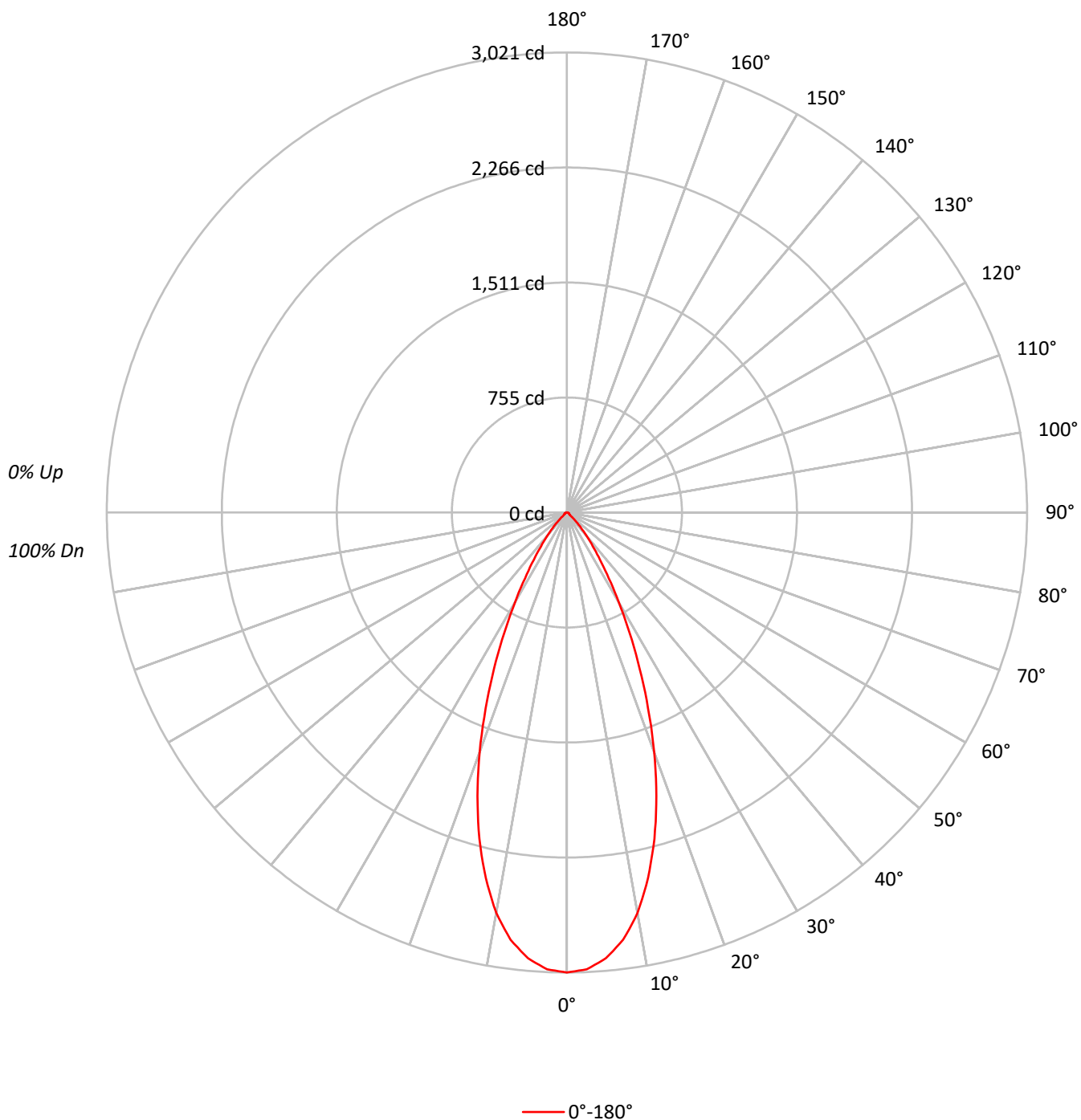
Lumens per Lamp: N/A
Luminaire Lumens: 1764.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	89	88	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	70	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66	66	66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59	59	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	662447
5°	646928
10°	594690
15°	503885
20°	390937
25°	273282
30°	172153
35°	101348
40°	57336
45°	27879
50°	9688
55°	7837
60°	7631
65°	7368
70°	7052
75°	6693
80°	5935
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.1	15.4
10°-20°	609.5	34.6
20°-30°	517.6	29.3
30°-40°	246.9	14.0
40°-50°	74.4	4.2
50°-60°	18.9	1.1
60°-70°	14.1	0.8
70°-80°	8.3	0.5
80°-90°	2.4	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°	1399.1	79.3
0°-40°	1646.0	93.3
0°-60°	1739.2	98.6
0°-90°	1764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3021	
5°	2939	272
15°	2220	610
25°	1130	518
35°	379	247
45°	90	74
55°	20	19
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3021.0
2.5°	3002.1
5°	2939.0
7.5°	2830.1
10°	2670.8
12.5°	2459.4
15°	2219.6
17.5°	1953.0
20°	1675.3
22.5°	1393.0
25°	1129.5
27.5°	889.7
30°	679.9
32.5°	511.1
35°	378.6
37.5°	279.2
40°	200.3
42.5°	138.8
45°	89.9
47.5°	50.5
50°	28.4
52.5°	22.1
55°	20.5
57.5°	18.9
60°	17.4
62.5°	15.8
65°	14.2
67.5°	12.6
70°	11.0
72.5°	9.5
75°	7.9
77.5°	6.3
80°	4.7
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)