

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: P1249540

Luminaire Tested: P3AS17R159027DE010 E3DL1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R159027DE010 E3DL1H
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

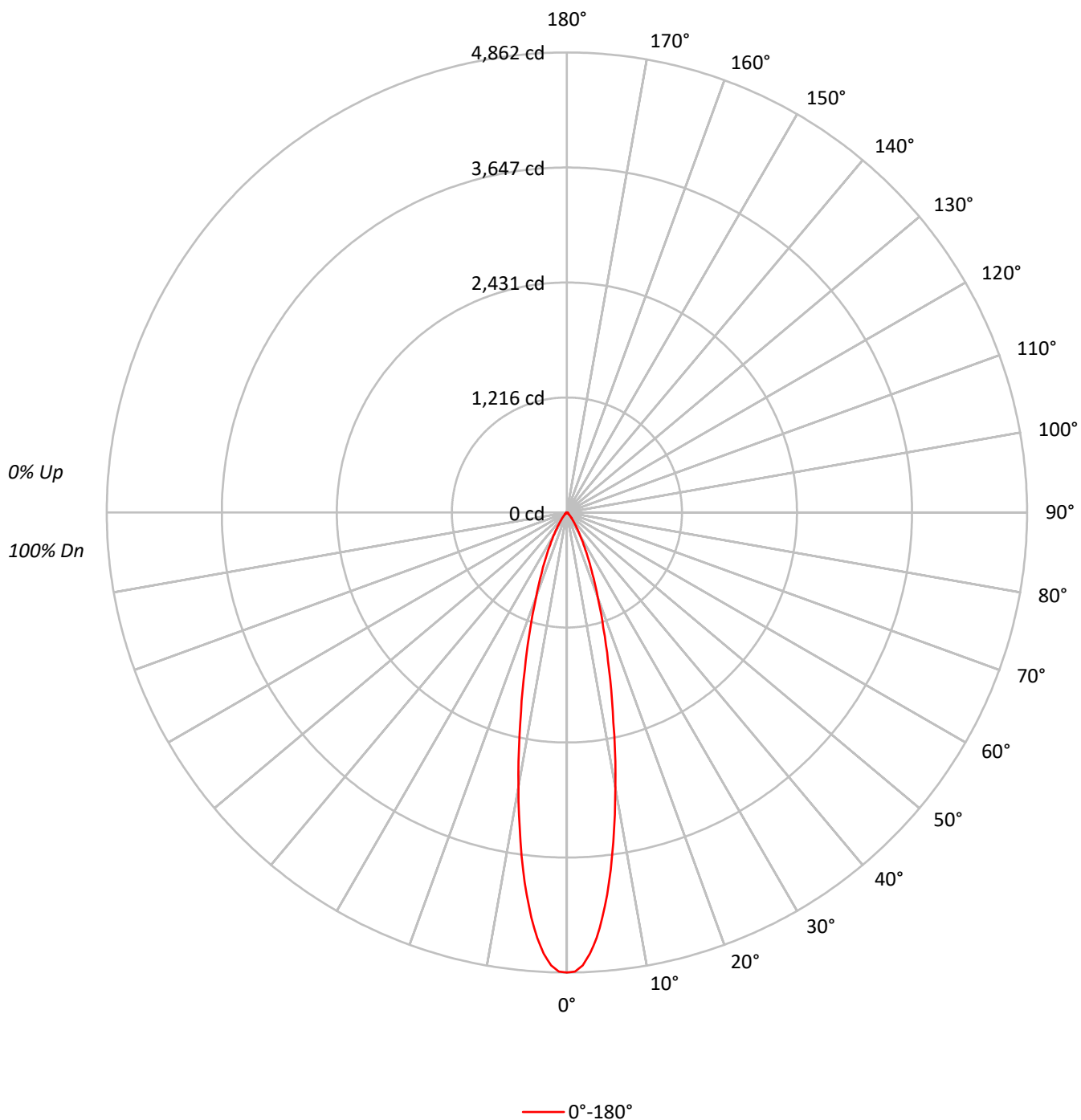
Lumens per Lamp: N/A
Luminaire Lumens: 1247.9 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91	90	89
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87	86	85
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83	82	81
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80	79	78
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77	76	75
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74	73	72
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	72	71	70
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	68	67
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1066121
5°	946333
10°	657191
15°	388651
20°	221359
25°	126540
30°	70011
35°	37343
40°	20639
45°	11195
50°	6959
55°	5505
60°	4736
65°	4358
70°	3847
75°	4067
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.6	29.3
10°-20°	482.5	38.7
20°-30°	248.4	19.9
30°-40°	93.3	7.5
40°-50°	30.5	2.4
50°-60°	13.1	1.1
60°-70°	8.3	0.7
70°-80°	4.9	0.4
80°-90°	1.3	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°	1096.5	87.9
0°-40°	1189.8	95.3
0°-60°	1233.4	98.8
0°-90°	1247.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1247.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4862	
5°	4299	366
15°	1712	482
25°	523	248
35°	140	93
45°	36	31
55°	14	13
65°	8	8
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4861.9
1°	4852.3
2°	4788.6
3°	4667.1
4°	4507.2
5°	4299.2
6°	4063.6
7°	3805.1
8°	3517.8
9°	3234.0
10°	2951.5
12.5°	2271.0
15°	1712.0
17.5°	1281.6
20°	948.6
22.5°	708.1
25°	523.0
27.5°	381.1
30°	276.5
32.5°	196.0
35°	139.5
37.5°	99.8
40°	72.1
42.5°	51.7
45°	36.1
47.5°	26.4
50°	20.4
52.5°	16.8
55°	14.4
57.5°	12.0
60°	10.8
62.5°	9.6
65°	8.4
67.5°	7.2
70°	6.0
72.5°	6.0
75°	4.8
77.5°	3.6
80°	2.4
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)