

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: P1249974

Luminaire Tested: P3AS20R309027D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309027D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

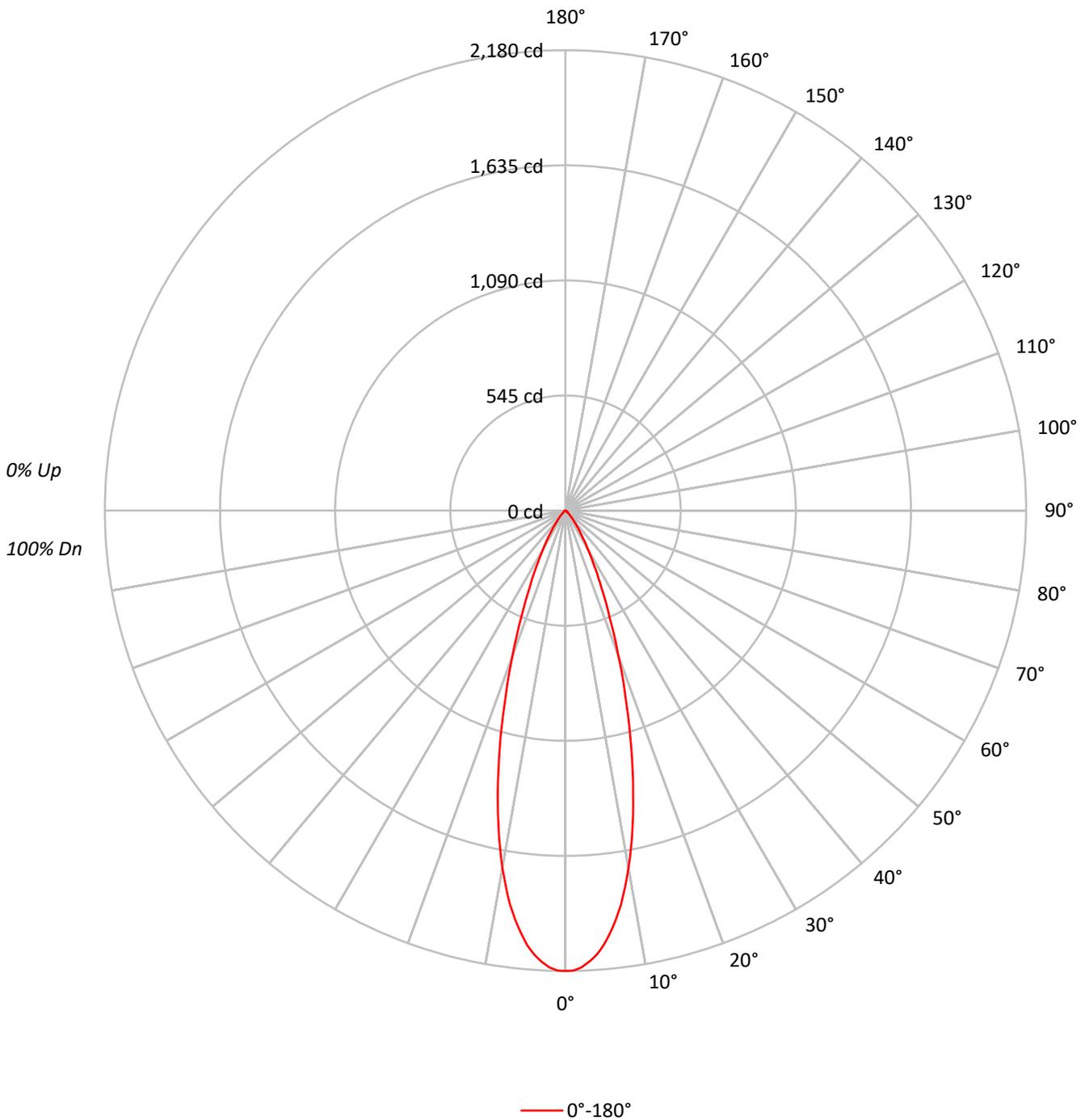
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
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			0	
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75	75	75	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	79	75	73	71	71	71	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	69	69	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	63	63	63	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477922
5°	454874
10°	382603
15°	275915
20°	171142
25°	97336
30°	54059
35°	29419
40°	15515
45°	8404
50°	4503
55°	2944
60°	2719
65°	2802
70°	2500
75°	1949
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	22.7
10°-20°	330.8	40.4
20°-30°	191.2	23.3
30°-40°	72.6	8.9
40°-50°	22.3	2.7
50°-60°	7.5	0.9
60°-70°	5.1	0.6
70°-80°	2.7	0.3
80°-90°	0.8	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°	708.0	86.4
0°-40°	780.6	95.3
0°-60°	810.4	98.9
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2180	
5°	2066	186
15°	1215	331
25°	402	191
35°	110	73
45°	27	22
55°	8	8
65°	5	5
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2179.5
1°	2177.9
2°	2164.8
3°	2140.0
4°	2109.0
5°	2066.5
6°	2012.3
7°	1952.0
8°	1884.7
9°	1804.2
10°	1718.3
11°	1625.5
12°	1527.2
13°	1424.3
14°	1319.9
15°	1215.4
17.5°	958.6
20°	733.4
22.5°	543.9
25°	402.3
27.5°	292.5
30°	213.5
32.5°	154.0
35°	109.9
37.5°	76.6
40°	54.2
42.5°	37.9
45°	27.1
47.5°	18.6
50°	13.2
52.5°	9.3
55°	7.7
57.5°	7.0
60°	6.2
62.5°	5.4
65°	5.4
67.5°	4.6
70°	3.9
72.5°	3.1
75°	2.3
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)