

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: P1250088

Luminaire Tested: P3AS20R509027D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509027D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

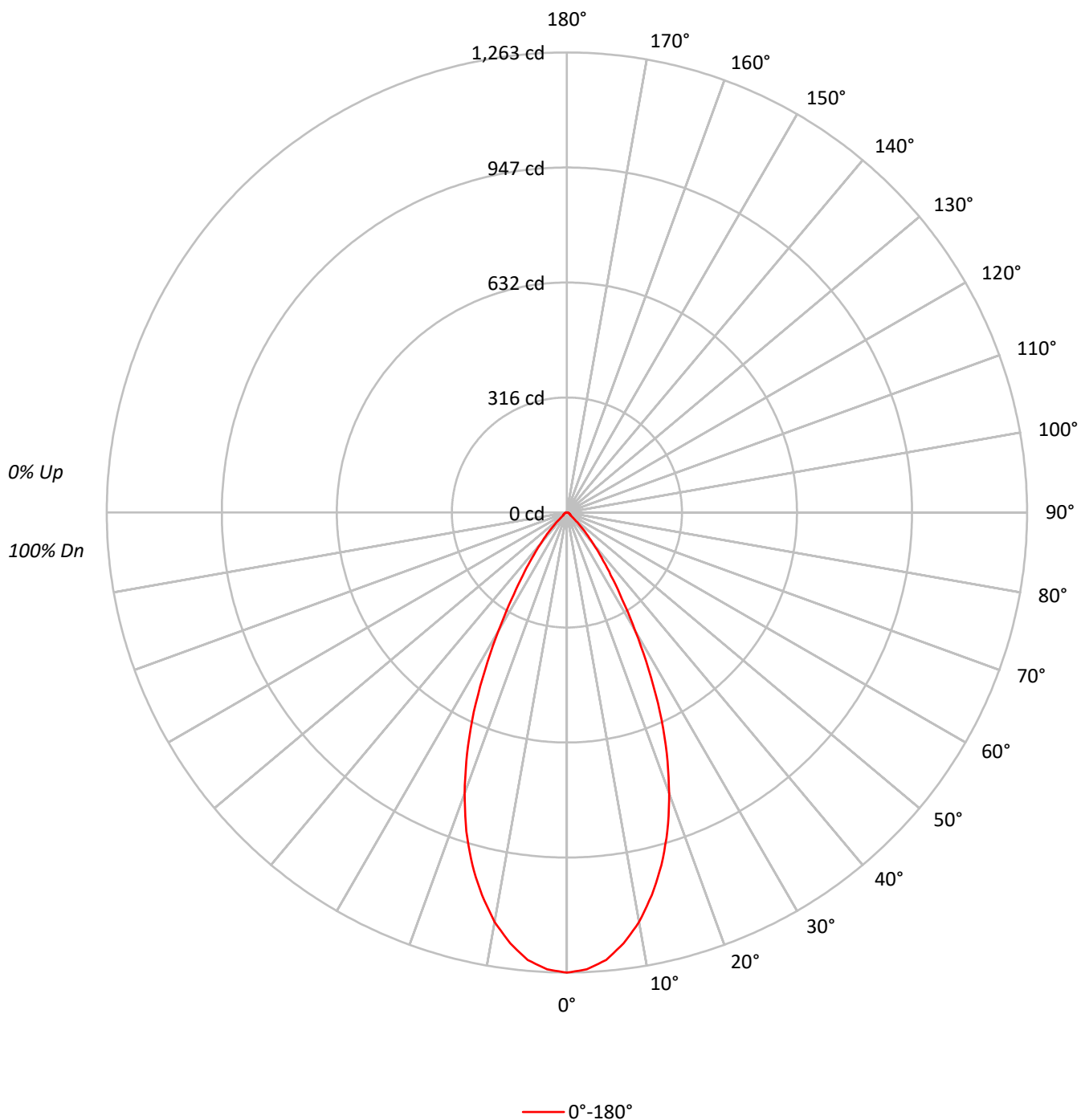
Lumens per Lamp: N/A
Luminaire Lumens: 870.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276995
5°	271406
10°	254215
15°	227584
20°	191513
25°	146162
30°	95002
35°	56322
40°	32547
45°	16312
50°	6072
55°	4741
60°	4429
65°	3995
70°	3975
75°	3897
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	13.2
10°-20°	277.2	31.9
20°-30°	272.0	31.3
30°-40°	137.0	15.7
40°-50°	43.3	5.0
50°-60°	11.2	1.3
60°-70°	8.0	0.9
70°-80°	4.9	0.6
80°-90°	1.7	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°	663.9	76.3
0°-40°	801.0	92.1
0°-60°	855.5	98.3
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1263	
5°	1233	115
15°	1002	277
25°	604	272
35°	210	137
45°	53	43
55°	12	11
65°	8	8
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1263.2
2.5°	1255.5
5°	1233.0
7.5°	1192.8
10°	1141.7
12.5°	1076.0
15°	1002.5
17.5°	917.4
20°	820.7
22.5°	716.3
25°	604.1
27.5°	485.0
30°	375.2
32.5°	282.3
35°	210.4
37.5°	155.5
40°	113.7
42.5°	80.4
45°	52.6
47.5°	30.2
50°	17.8
52.5°	13.2
55°	12.4
57.5°	10.8
60°	10.1
62.5°	9.3
65°	7.7
67.5°	7.0
70°	6.2
72.5°	5.4
75°	4.6
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)