

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: P1250092

Luminaire Tested: P3AS20R509027D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509027D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

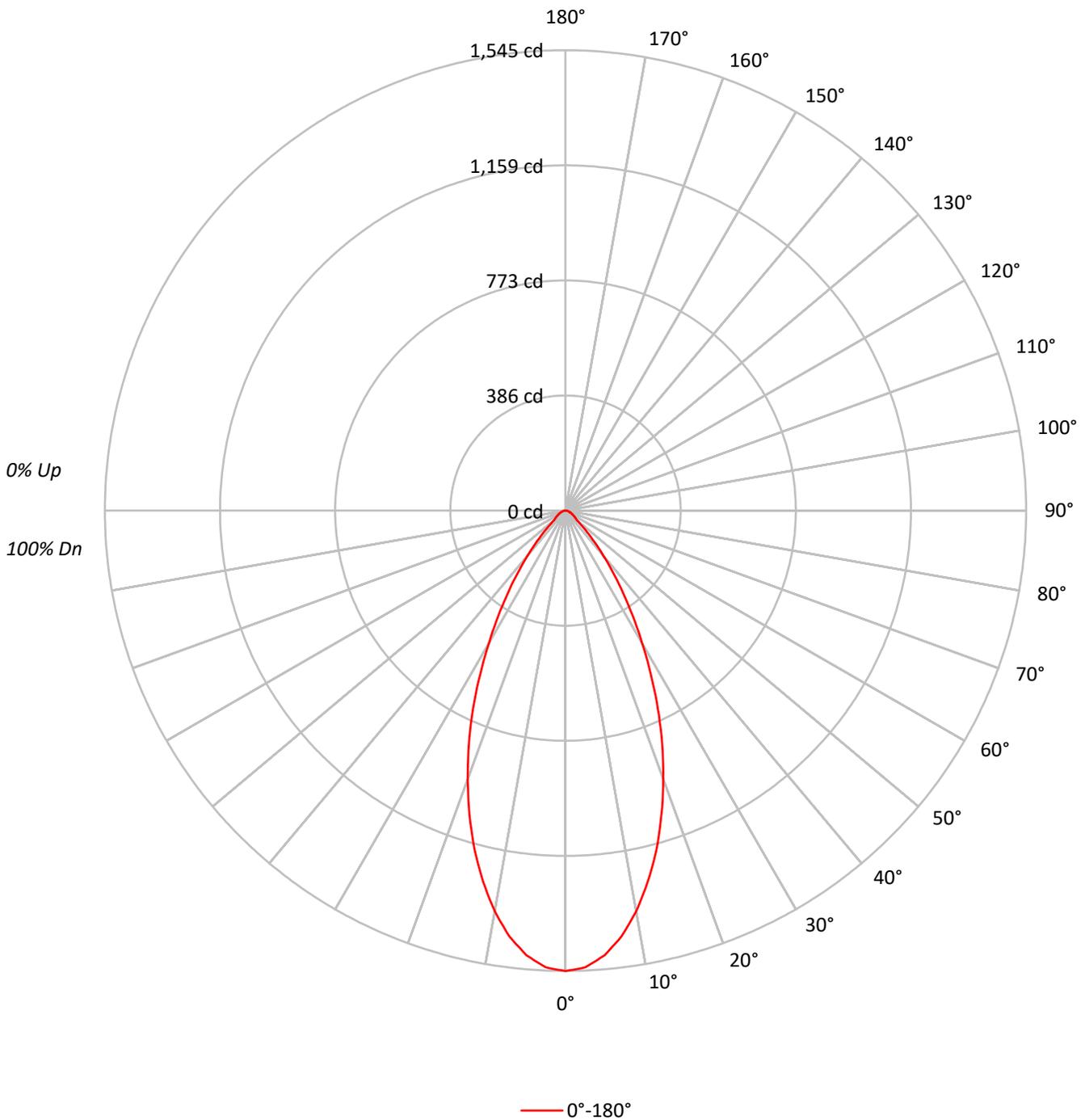
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1165.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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				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
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79				79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73				73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68				68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64				64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60				60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56				56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53				53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	338833
5°	329715
10°	304047
15°	267380
20°	223716
25°	177397
30°	130147
35°	89490
40°	56878
45°	31786
50°	17228
55°	14451
60°	12455
65°	11467
70°	10130
75°	9320
80°	7956
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	11.9
10°-20°	326.2	28.0
20°-30°	333.7	28.6
30°-40°	211.6	18.2
40°-50°	84.2	7.2
50°-60°	34.1	2.9
60°-70°	21.8	1.9
70°-80°	11.2	1.0
80°-90°	3.4	0.3
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°	798.6	68.6
0°-40°	1010.2	86.7
0°-60°	1128.5	96.9
0°-90°	1165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1165.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1545	
5°	1498	139
15°	1178	326
25°	733	334
35°	334	212
45°	102	84
55°	38	34
65°	22	22
75°	11	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1545.2
2.5°	1534.2
5°	1497.9
7.5°	1441.2
10°	1365.5
12.5°	1275.6
15°	1177.8
17.5°	1070.6
20°	958.7
22.5°	846.7
25°	733.2
27.5°	619.7
30°	514.0
32.5°	419.4
35°	334.3
37.5°	261.7
40°	198.7
42.5°	146.6
45°	102.5
47.5°	69.4
50°	50.5
52.5°	42.6
55°	37.8
57.5°	33.1
60°	28.4
62.5°	25.2
65°	22.1
67.5°	18.9
70°	15.8
72.5°	12.6
75°	11.0
77.5°	7.9
80°	6.3
82.5°	4.7
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)