

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: P1265874

Luminaire Tested: P3A20R459730D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459730D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

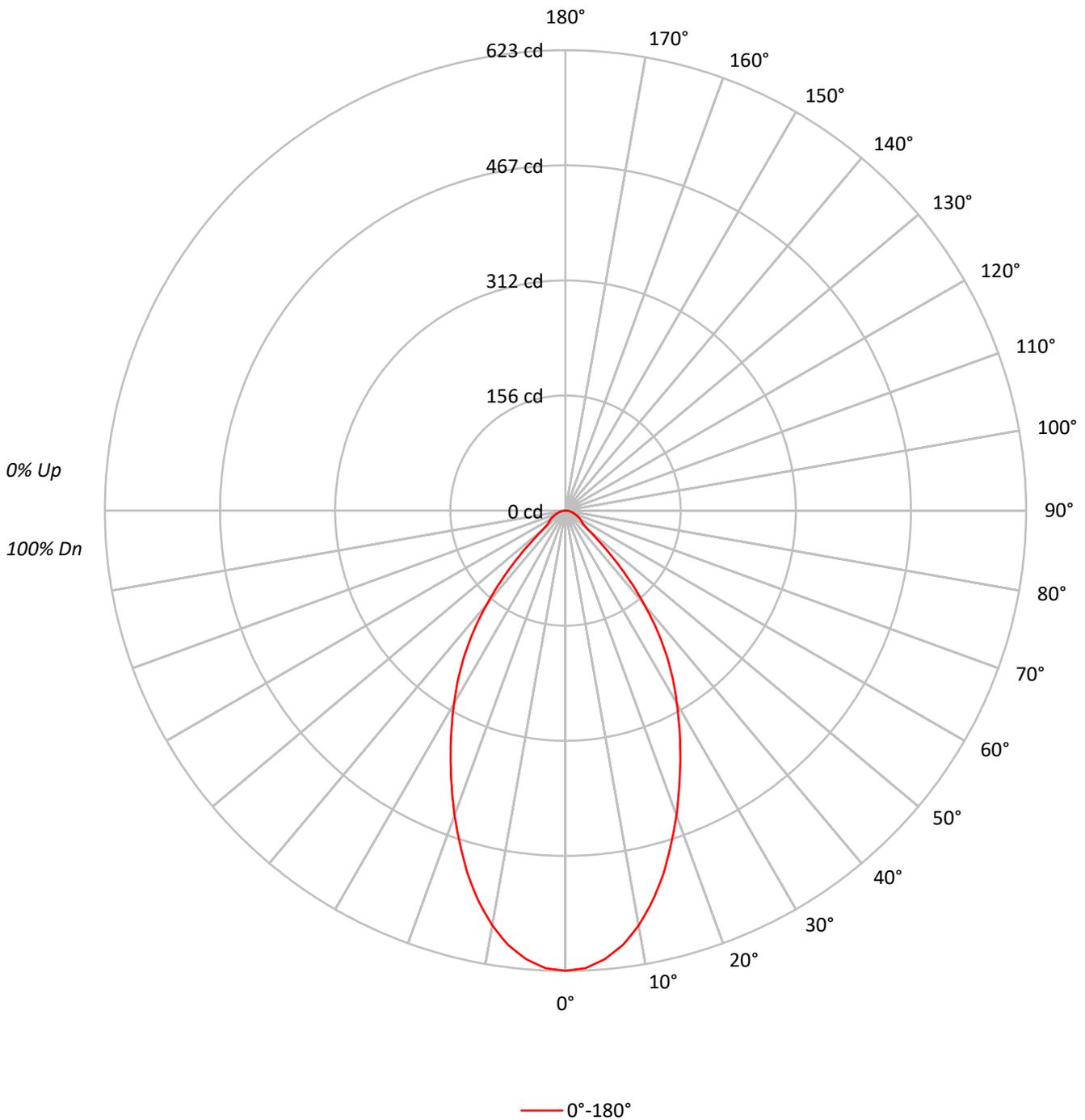
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 22.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
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				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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75				75
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69				69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63				63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58				58
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54				54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47				47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44				44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136546
5°	134118
10°	126918
15°	115755
20°	102349
25°	88892
30°	76290
35°	63577
40°	47374
45°	28995
50°	13407
55°	10513
60°	10087
65°	9236
70°	8591
75°	8133
80°	7450
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	8.8
10°-20°	142.0	22.0
20°-30°	168.7	26.2
30°-40°	146.5	22.8
40°-50°	73.5	11.4
50°-60°	25.5	4.0
60°-70°	17.9	2.8
70°-80°	10.0	1.5
80°-90°	3.0	0.5
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°	367.5	57.1
0°-40°	514.1	79.8
0°-60°	613.1	95.2
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	623	
5°	609	57
15°	510	142
25°	367	169
35°	238	147
45°	94	73
55°	28	26
65°	18	18
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	622.7
2.5°	619.7
5°	609.3
7.5°	593.0
10°	570.0
12.5°	541.8
15°	509.9
17.5°	474.2
20°	438.6
22.5°	402.3
25°	367.4
27.5°	334.0
30°	301.3
32.5°	270.2
35°	237.5
37.5°	202.6
40°	165.5
42.5°	129.1
45°	93.5
47.5°	61.6
50°	39.3
52.5°	30.4
55°	27.5
57.5°	25.2
60°	23.0
62.5°	20.8
65°	17.8
67.5°	15.6
70°	13.4
72.5°	11.1
75°	9.6
77.5°	7.4
80°	5.9
82.5°	4.5
85°	2.2
87.5°	1.5
90°	0.0

(END OF REPORT)