

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: P1270696

Luminaire Tested: P3A20R559740D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559740D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

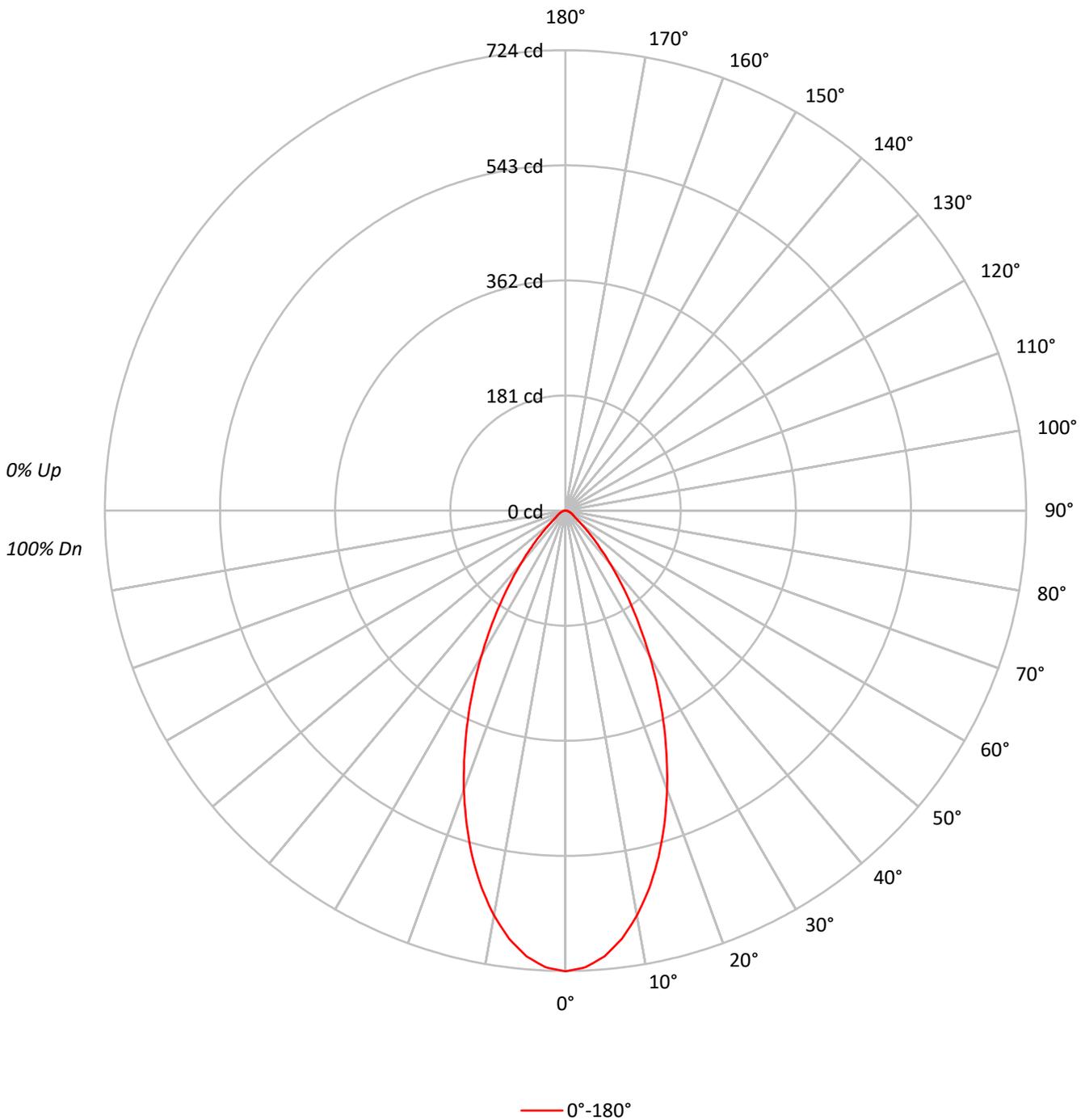
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 583.9 lumens
Efficiency: N/A
Efficacy: 20.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
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			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	79			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	72	68	64	63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			
9	74	64	58	54	73	63	58	54	62	57	53	62	57	53	61	56	53	52			
10	70	60	55	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158869
5°	154875
10°	143996
15°	128219
20°	108953
25°	87924
30°	67048
35°	47676
40°	31459
45°	18669
50°	10951
55°	6767
60°	5964
65°	5396
70°	4616
75°	4067
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	11.2
10°-20°	156.6	26.8
20°-30°	165.8	28.4
30°-40°	112.1	19.2
40°-50°	49.1	8.4
50°-60°	17.6	3.0
60°-70°	10.3	1.8
70°-80°	5.4	0.9
80°-90°	1.7	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°	387.8	66.4
0°-40°	499.8	85.6
0°-60°	566.5	97.0
0°-90°	583.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	704	65
15°	565	157
25°	363	166
35°	178	112
45°	60	49
55°	18	18
65°	10	10
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	724.5
2.5°	718.9
5°	703.6
7.5°	678.8
10°	646.7
12.5°	608.2
15°	564.8
17.5°	516.7
20°	466.9
22.5°	414.8
25°	363.4
27.5°	312.9
30°	264.8
32.5°	219.0
35°	178.1
37.5°	141.2
40°	109.9
42.5°	82.6
45°	60.2
47.5°	44.1
50°	32.1
52.5°	22.5
55°	17.7
57.5°	16.0
60°	13.6
62.5°	12.0
65°	10.4
67.5°	8.8
70°	7.2
72.5°	6.4
75°	4.8
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)