

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: P1265912

Luminaire Tested: P3A20R509730D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265912
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: P3A20R509730D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

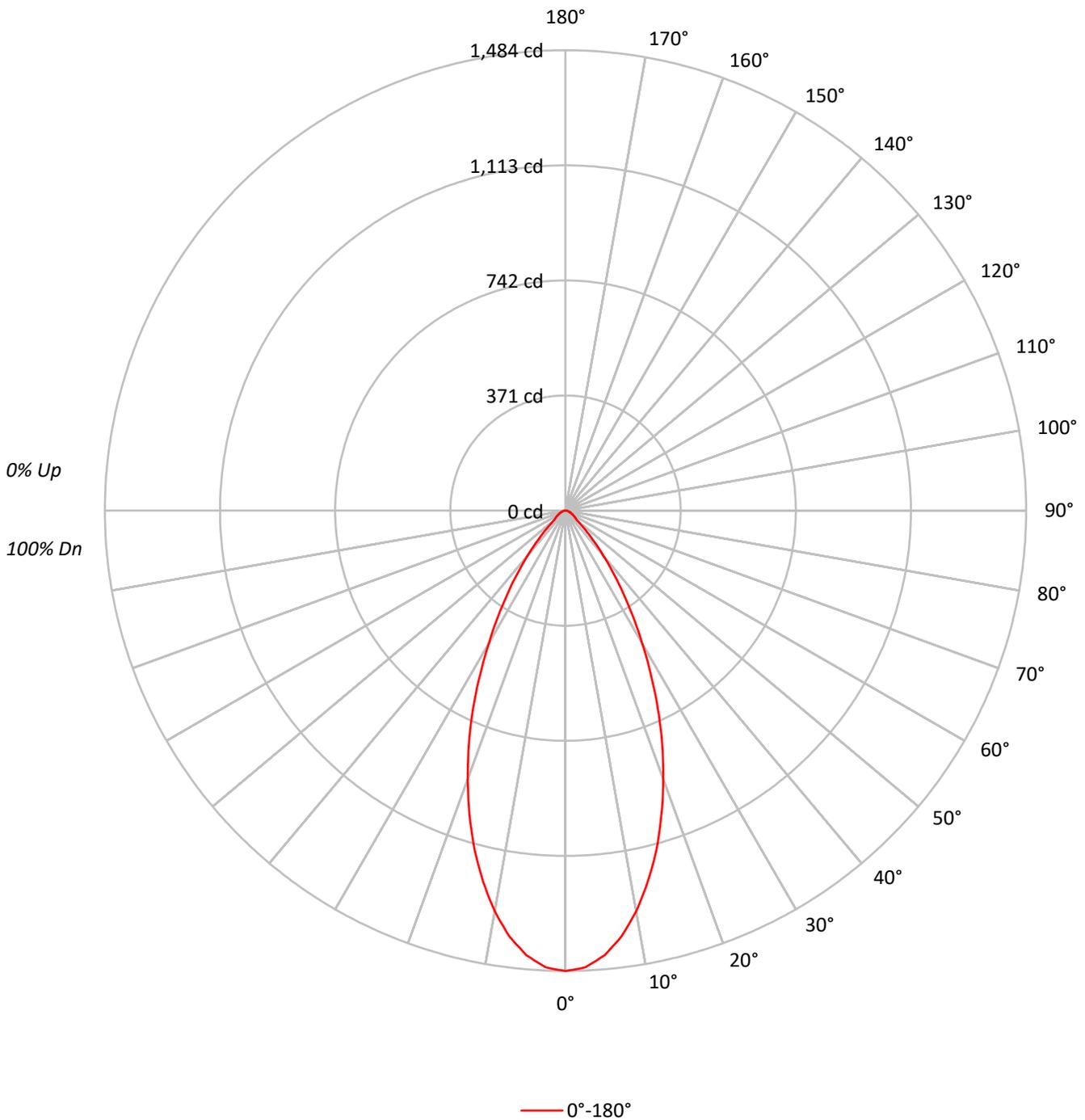
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1119.0 lumens
Efficiency: N/A
Efficacy: 38.9 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 (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	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73			
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68			
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325456
5°	316706
10°	292045
15°	256823
20°	214872
25°	170381
30°	125007
35°	85956
40°	54617
45°	30515
50°	16545
55°	13878
60°	11973
65°	11000
70°	9681
75°	8981
80°	7703
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30515 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	11.9
10°-20°	313.3	28.0
20°-30°	320.5	28.6
30°-40°	203.2	18.2
40°-50°	80.8	7.2
50°-60°	32.8	2.9
60°-70°	21.0	1.9
70°-80°	10.8	1.0
80°-90°	3.3	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°	767.1	68.6
0°-40°	970.3	86.7
0°-60°	1083.9	96.9
0°-90°	1119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1484	
5°	1439	133
15°	1131	313
25°	704	320
35°	321	203
45°	98	81
55°	36	33
65°	21	21
75°	11	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1484.2
2.5°	1473.6
5°	1438.8
7.5°	1384.2
10°	1311.6
12.5°	1225.2
15°	1131.3
17.5°	1028.3
20°	920.8
22.5°	813.3
25°	704.2
27.5°	595.2
30°	493.7
32.5°	402.9
35°	321.1
37.5°	251.4
40°	190.8
42.5°	140.8
45°	98.4
47.5°	66.6
50°	48.5
52.5°	40.9
55°	36.3
57.5°	31.8
60°	27.3
62.5°	24.2
65°	21.2
67.5°	18.2
70°	15.1
72.5°	12.1
75°	10.6
77.5°	7.6
80°	6.1
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)