

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: P1270618

Luminaire Tested: P3A20R409740D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

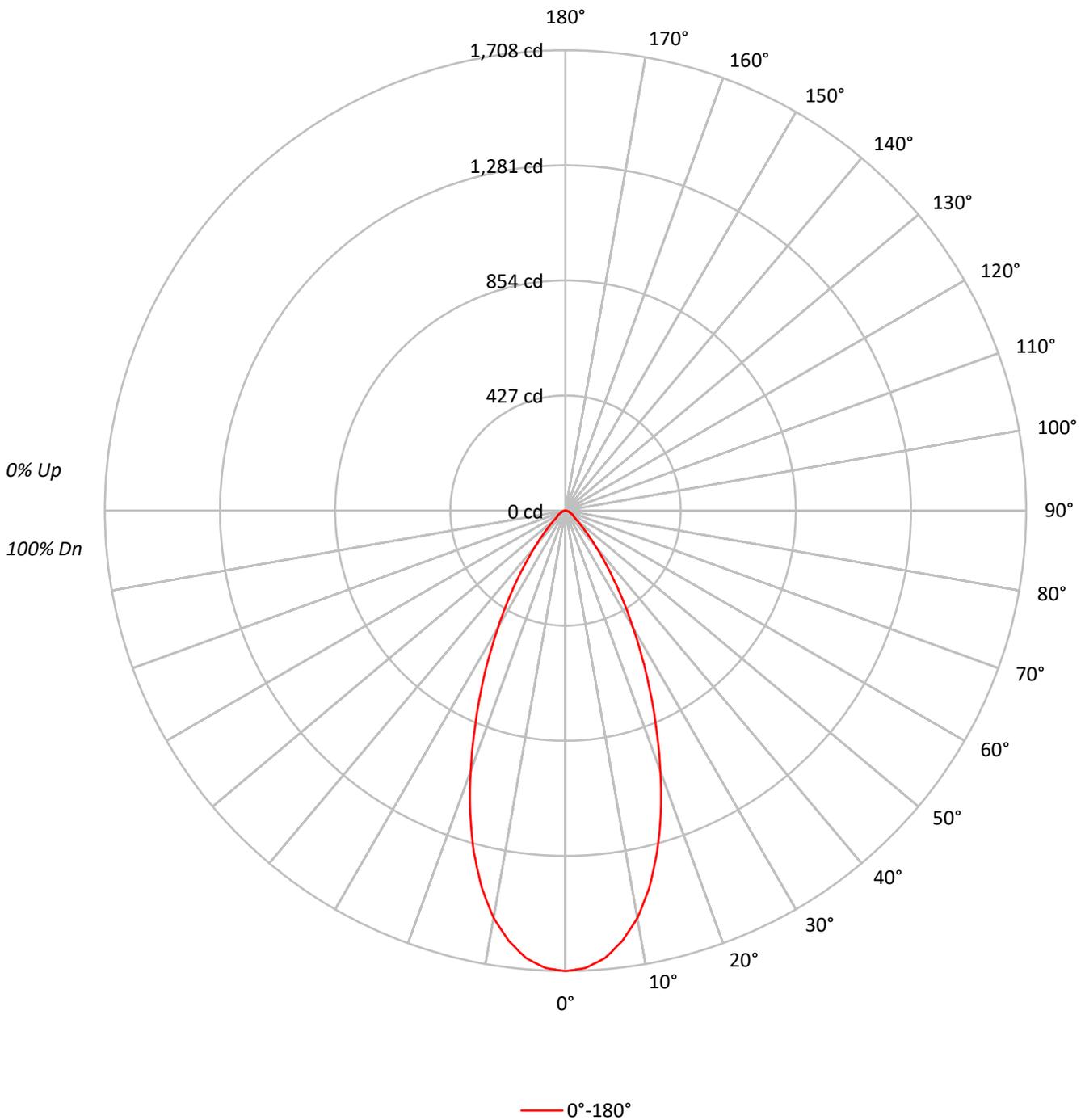
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1203.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80				80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74				74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69				69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65				65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	62	61				61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58				58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54				54
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51				51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	374597
5°	367003
10°	341699
15°	297822
20°	240028
25°	179914
30°	126475
35°	82851
40°	50151
45°	29957
50°	17876
55°	14413
60°	12938
65°	11052
70°	10515
75°	8303
80°	8334
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	12.9
10°-20°	361.3	30.0
20°-30°	340.5	28.3
30°-40°	196.9	16.4
40°-50°	78.4	6.5
50°-60°	34.7	2.9
60°-70°	21.5	1.8
70°-80°	11.2	0.9
80°-90°	3.6	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°	856.7	71.2
0°-40°	1053.6	87.6
0°-60°	1166.7	97.0
0°-90°	1203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1708	
5°	1667	155
15°	1312	361
25°	744	340
35°	310	197
45°	97	78
55°	38	35
65°	21	21
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1708.3
2.5°	1698.4
5°	1667.3
7.5°	1610.0
10°	1534.6
12.5°	1433.1
15°	1311.9
17.5°	1176.0
20°	1028.6
22.5°	881.1
25°	743.6
27.5°	615.8
30°	499.5
32.5°	398.0
35°	309.5
37.5°	234.2
40°	175.2
42.5°	131.0
45°	96.6
47.5°	70.4
50°	52.4
52.5°	42.6
55°	37.7
57.5°	34.4
60°	29.5
62.5°	24.6
65°	21.3
67.5°	18.0
70°	16.4
72.5°	13.1
75°	9.8
77.5°	8.2
80°	6.6
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)