

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: P1270606

Luminaire Tested: P3A20R409740D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409740D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

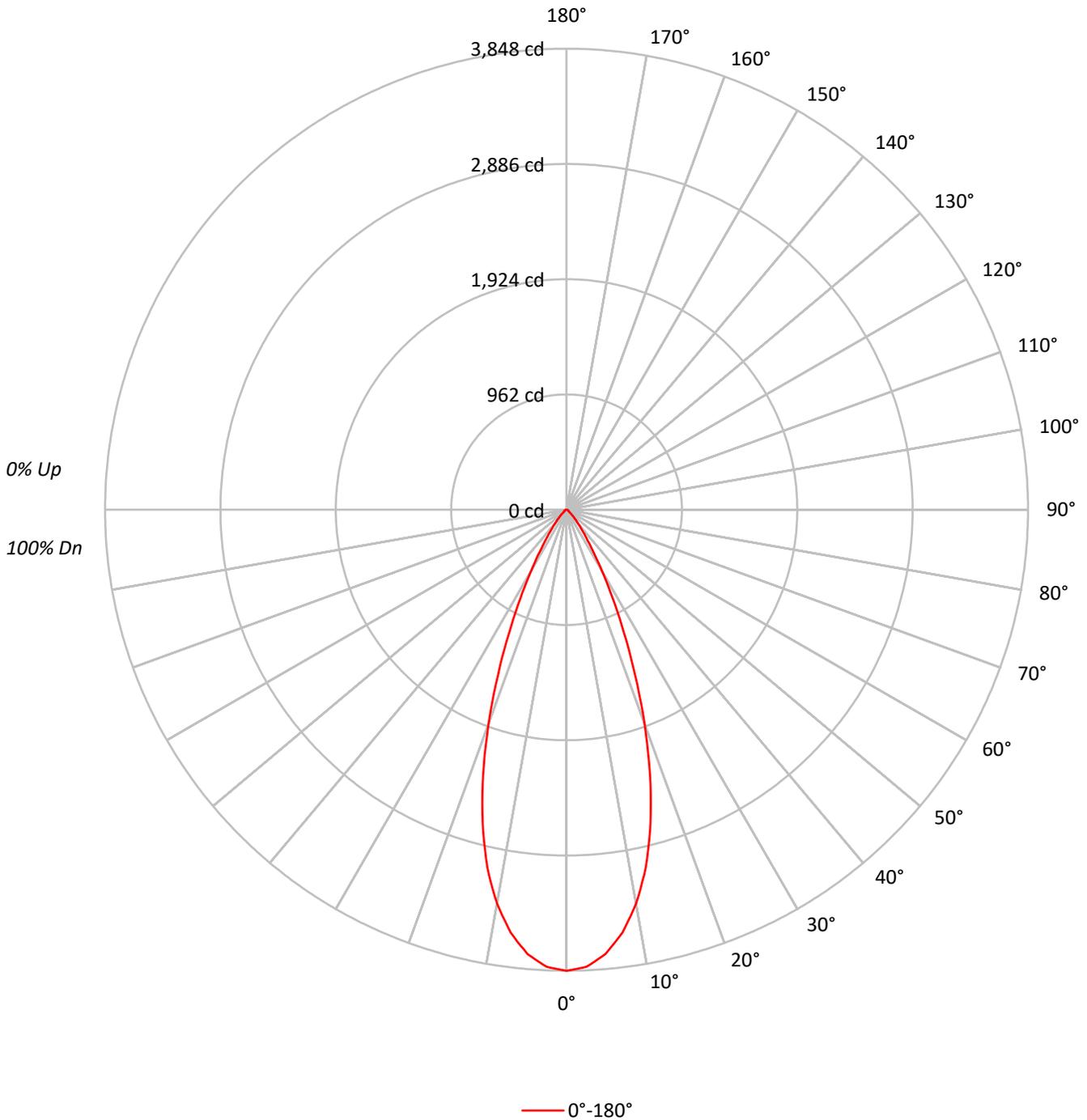
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1907.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94				94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89				89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84				84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80				80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65				65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63				63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60				60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	843836
5°	819324
10°	743495
15°	614237
20°	443069
25°	274056
30°	148377
35°	76667
40°	41707
45°	23351
50°	11735
55°	8755
60°	7894
65°	7627
70°	7373
75°	6947
80°	6188
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23351 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	18.0
10°-20°	736.8	38.6
20°-30°	525.8	27.6
30°-40°	193.6	10.1
40°-50°	61.0	3.2
50°-60°	21.2	1.1
60°-70°	14.6	0.8
70°-80°	8.6	0.5
80°-90°	2.4	0.1
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°	1605.6	84.2
0°-40°	1799.2	94.3
0°-60°	1881.4	98.7
0°-90°	1907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1907.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3848	
5°	3722	343
15°	2706	737
25°	1133	526
35°	286	194
45°	75	61
55°	23	21
65°	15	15
75°	8	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3848.2
2.5°	3818.7
5°	3722.2
7.5°	3561.7
10°	3339.1
12.5°	3056.0
15°	2705.7
17.5°	2312.8
20°	1898.7
22.5°	1491.2
25°	1132.7
27.5°	831.5
30°	586.0
32.5°	410.8
35°	286.4
37.5°	203.0
40°	145.7
42.5°	104.8
45°	75.3
47.5°	50.7
50°	34.4
52.5°	24.6
55°	22.9
57.5°	21.3
60°	18.0
62.5°	16.4
65°	14.7
67.5°	13.1
70°	11.5
72.5°	9.8
75°	8.2
77.5°	6.5
80°	4.9
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)