

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: P1258330

Luminaire Tested: P3AS20R709040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

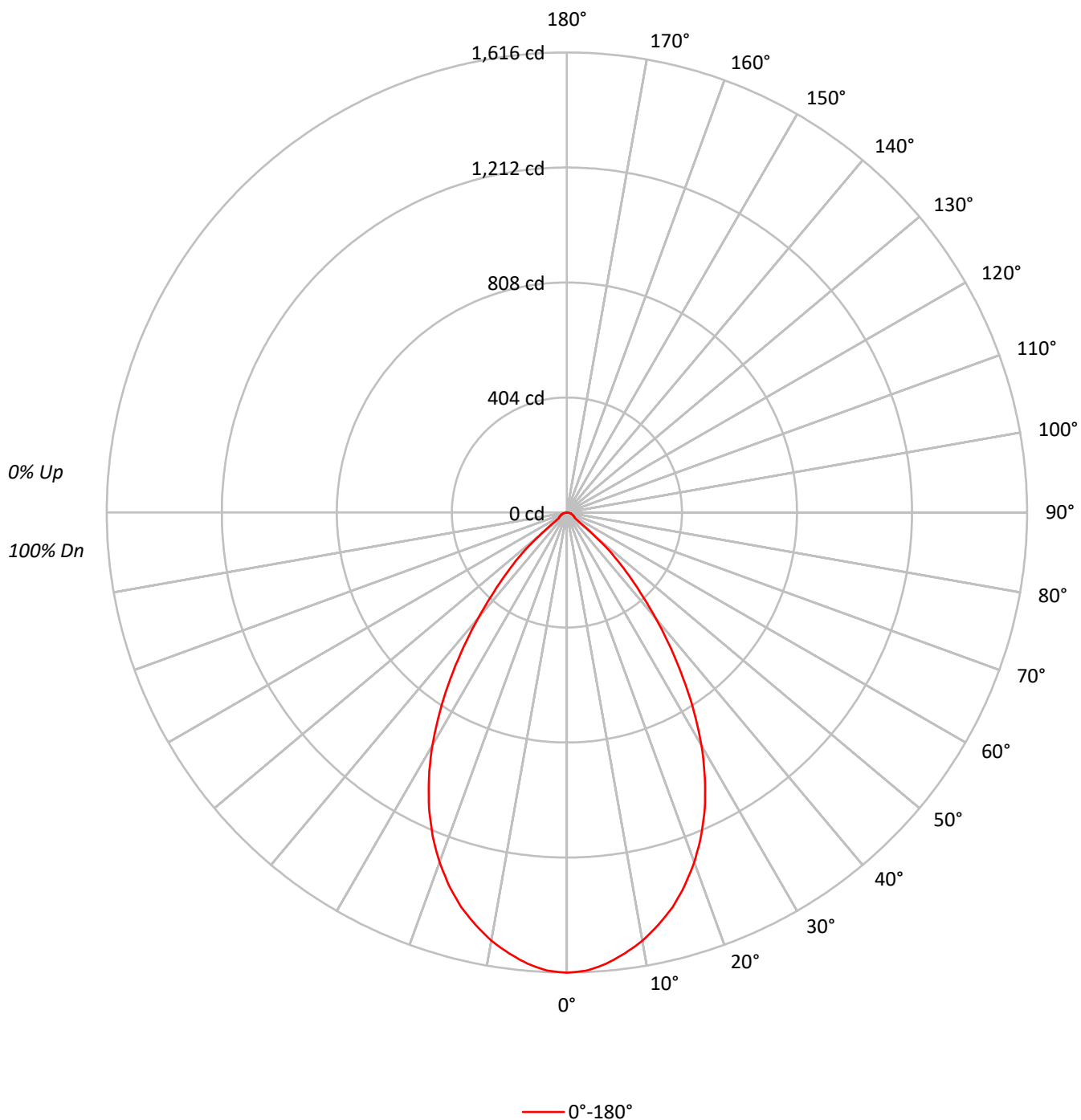
Lumens per Lamp: N/A
Luminaire Lumens: 1831.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354467
5°	350208
10°	340096
15°	325700
20°	305087
25°	277153
30°	239404
35°	190811
40°	138975
45°	91358
50°	42813
55°	13189
60°	12762
65°	12245
70°	11669
75°	12285
80°	11491
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 91358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	8.2
10°-20°	401.5	21.9
20°-30°	521.8	28.5
30°-40°	442.8	24.2
40°-50°	228.3	12.5
50°-60°	44.0	2.4
60°-70°	23.8	1.3
70°-80°	14.6	0.8
80°-90°	4.2	0.2
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°	1073.2	58.6
0°-40°	1516.0	82.8
0°-60°	1788.3	97.7
0°-90°	1831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1616	
5°	1591	150
15°	1435	402
25°	1146	522
35°	713	443
45°	295	228
55°	34	44
65°	24	24
75°	14	15
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1616.5
2.5°	1611.0
5°	1591.0
7.5°	1561.9
10°	1527.4
12.5°	1483.8
15°	1434.7
17.5°	1374.7
20°	1307.4
22.5°	1231.0
25°	1145.5
27.5°	1049.2
30°	945.5
32.5°	831.0
35°	712.8
37.5°	596.4
40°	485.5
42.5°	381.8
45°	294.6
47.5°	216.4
50°	125.5
52.5°	54.5
55°	34.5
57.5°	32.7
60°	29.1
62.5°	27.3
65°	23.6
67.5°	21.8
70°	18.2
72.5°	16.4
75°	14.5
77.5°	10.9
80°	9.1
82.5°	5.5
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)