

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: P1274937

Luminaire Tested: P3AS20R709830D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709830D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

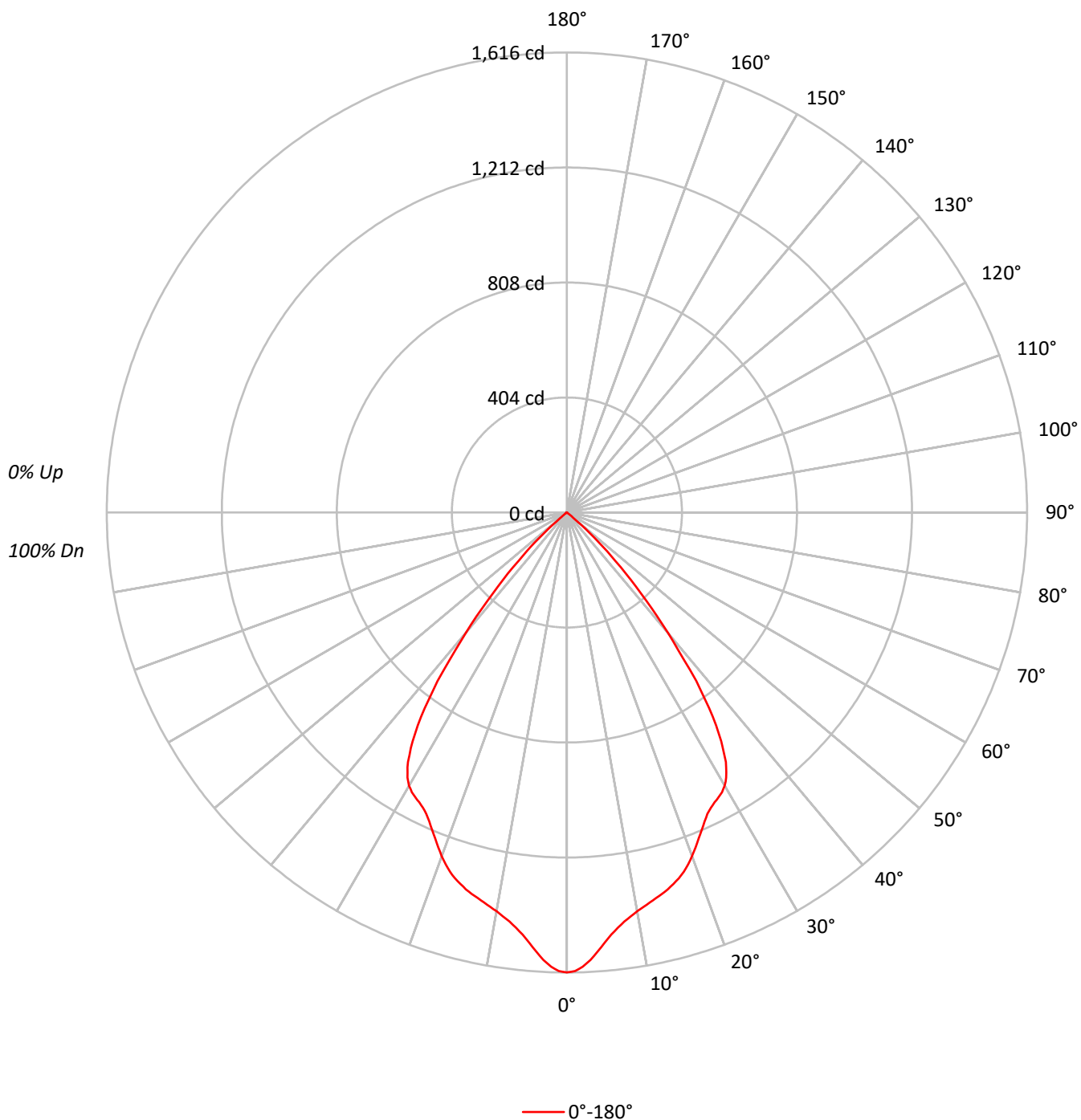
Lumens per Lamp: N/A
Luminaire Lumens: 1821.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	95	87	81	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354270
5°	334052
10°	316761
15°	311057
20°	299836
25°	282621
30°	280625
35°	244403
40°	158096
45°	74736
50°	10473
55°	841
60°	658
65°	778
70°	449
75°	593
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	7.8
10°-20°	384.8	21.1
20°-30°	544.3	29.9
30°-40°	547.1	30.0
40°-50°	196.8	10.8
50°-60°	5.3	0.3
60°-70°	1.2	0.1
70°-80°	0.7	0.0
80°-90°	0.1	0.0
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°	1070.8	58.8
0°-40°	1617.9	88.8
0°-60°	1819.9	99.9
0°-90°	1821.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1821.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1616	
5°	1518	142
15°	1370	385
25°	1168	544
35°	913	547
45°	241	197
55°	2	5
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1615.6
1°	1611.1
2°	1596.9
3°	1574.5
4°	1546.0
5°	1517.6
6°	1490.7
7°	1469.7
8°	1451.0
9°	1436.0
10°	1422.6
11°	1411.3
12°	1400.9
13°	1390.4
14°	1380.7
15°	1370.2
16°	1357.5
17°	1344.0
18°	1327.5
19°	1307.3
20°	1284.9
21°	1260.2
22°	1235.5
23°	1211.5
24°	1188.3
25°	1168.1
26°	1153.9
27°	1142.7
28°	1133.7
29°	1123.2
30°	1108.3
31°	1086.6
32°	1055.9
32.5°	1038.7
33°	1015.5
34°	969.8
35°	913.0
36°	850.1
37°	779.0
37.5°	746.1
38°	701.2
39°	621.1
40°	552.3
42.5°	382.4
45°	241.0

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CANDELA DISTRIBUTION (continued):

	0°
47.5°	129.5
50°	30.7
52.5°	3.7
55°	2.2
57.5°	2.2
60°	1.5
62.5°	1.5
65°	1.5
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)