

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: P1270741

Luminaire Tested: P3AS20R659740D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R659740D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

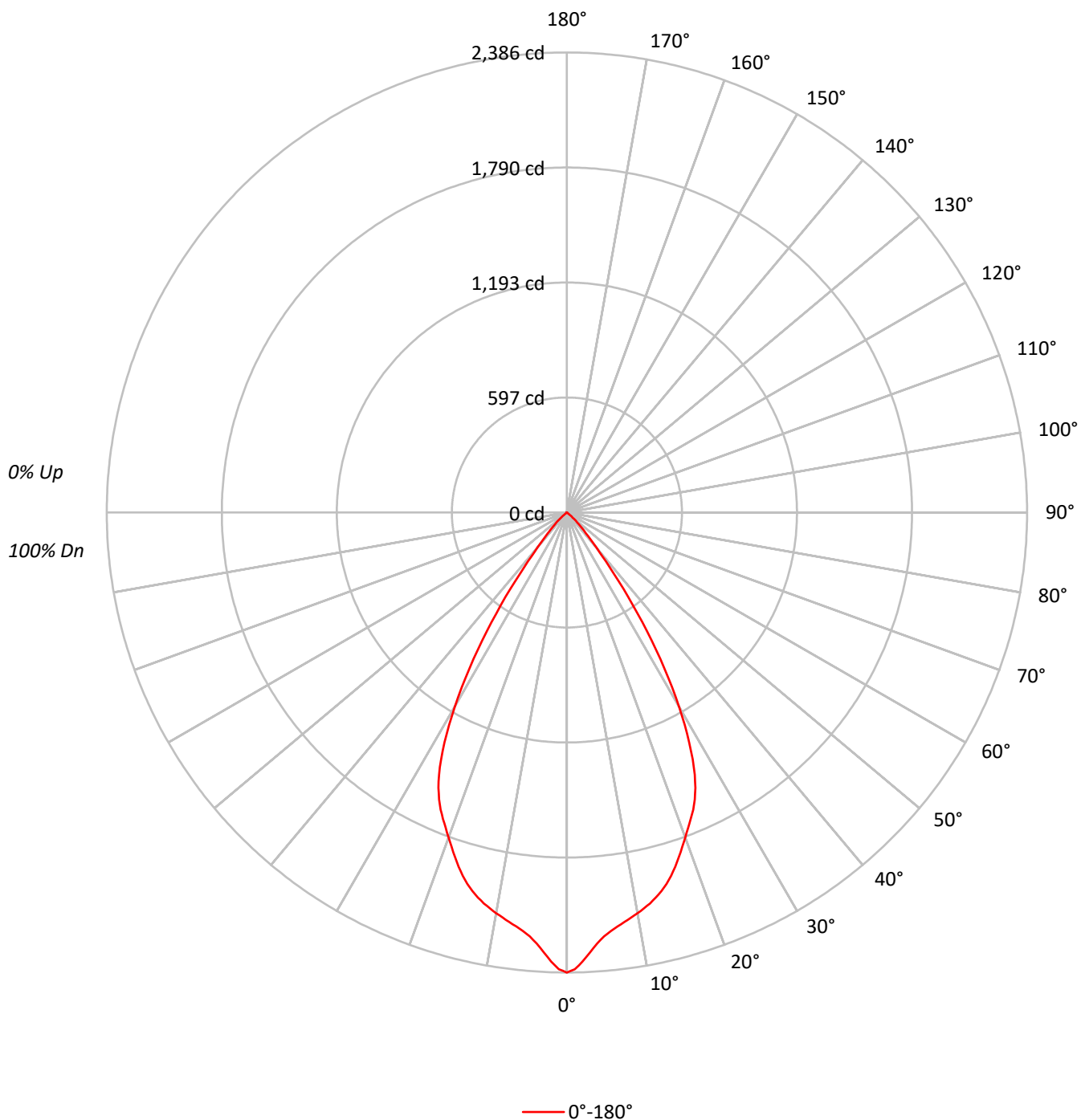
Lumens per Lamp: N/A
Luminaire Lumens: 1953.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	523313
5°	485911
10°	469909
15°	452852
20°	418660
25°	381458
30°	294729
35°	170841
40°	67784
45°	28871
50°	6857
55°	918
60°	702
65°	415
70°	513
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	10.7
10°-20°	555.8	28.5
20°-30°	703.5	36.0
30°-40°	400.6	20.5
40°-50°	79.6	4.1
50°-60°	4.1	0.2
60°-70°	1.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	1467.5	75.1
0°-40°	1868.1	95.7
0°-60°	1951.8	99.9
0°-90°	1953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1953.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2386	
5°	2208	208
15°	1995	556
25°	1577	703
35°	638	401
45°	93	80
55°	2	4
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2386.5
1°	2368.9
2°	2330.3
3°	2285.4
4°	2241.2
5°	2207.5
6°	2182.6
7°	2162.6
8°	2144.9
9°	2127.2
10°	2110.4
11°	2091.9
12°	2072.7
13°	2049.4
14°	2024.5
15°	1994.8
16°	1959.5
17°	1920.9
18°	1879.2
19°	1835.0
20°	1794.1
21°	1752.4
22°	1714.6
23°	1675.3
24°	1629.5
25°	1576.6
26°	1513.2
27°	1436.9
28°	1351.0
29°	1259.5
30°	1164.0
31°	1058.8
32°	954.4
32.5°	900.7
33°	848.5
34°	742.5
35°	638.2
36°	541.8
37°	446.3
37.5°	397.4
38°	358.0
39°	289.8
40°	236.8
42.5°	146.1
45°	93.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	54.6
50°	20.1
52.5°	4.0
55°	2.4
57.5°	1.6
60°	1.6
62.5°	1.6
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)