

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: P1255497

Luminaire Tested: P3AS20R509035D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509035D010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

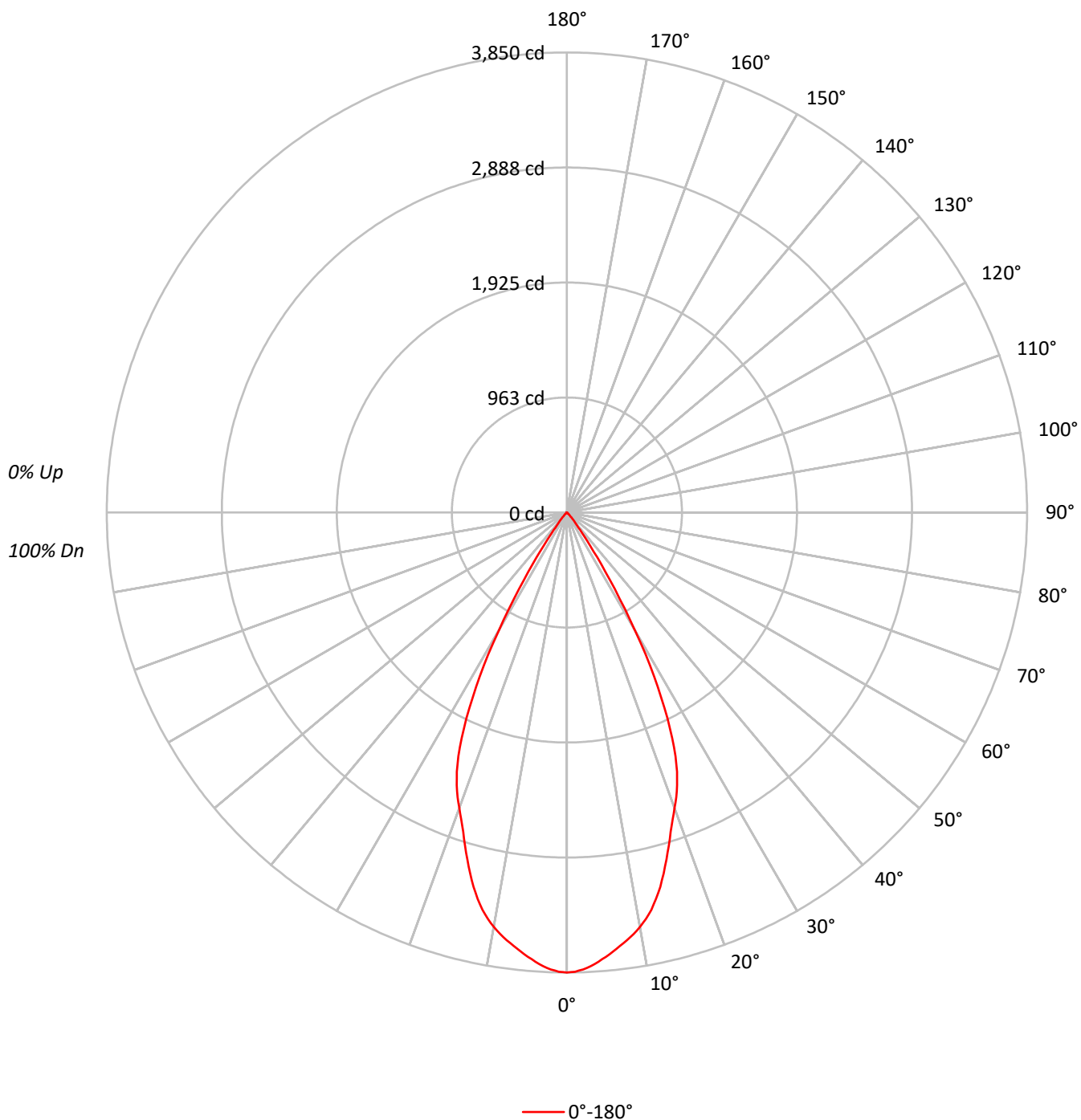
Lumens per Lamp: N/A
Luminaire Lumens: 2416.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	844296
5°	821812
10°	784243
15°	709993
20°	614233
25°	503836
30°	289437
35°	89891
40°	24160
45°	8466
50°	2047
55°	650
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.7	14.5
10°-20°	866.6	35.9
20°-30°	910.8	37.7
30°-40°	260.7	10.8
40°-50°	25.5	1.1
50°-60°	2.1	0.1
60°-70°	0.8	0.0
70°-80°	0.0	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°	2127.1	88.0
0°-40°	2387.7	98.8
0°-60°	2415.3	100.0
0°-90°	2416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2416.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3850	
5°	3734	350
15°	3128	867
25°	2082	911
35°	336	261
45°	27	25
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3850.3
1°	3844.3
2°	3827.3
3°	3802.6
4°	3769.3
5°	3733.5
6°	3695.2
7°	3654.2
8°	3615.9
9°	3571.6
10°	3522.1
11°	3465.0
12°	3399.4
13°	3317.5
14°	3228.9
15°	3127.5
16°	3020.1
17°	2916.1
18°	2809.5
19°	2715.8
20°	2632.2
21°	2552.1
22°	2460.9
23°	2356.0
24°	2233.3
25°	2082.4
26°	1918.8
27°	1736.3
28°	1554.8
29°	1358.7
30°	1143.1
31°	941.1
32°	755.2
32.5°	674.2
33°	592.4
34°	454.3
35°	335.8
36°	246.3
37°	183.3
37.5°	158.5
38°	137.2
39°	106.6
40°	84.4
42.5°	47.7
45°	27.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	15.3
50°	6.0
52.5°	2.6
55°	1.7
57.5°	1.7
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.0
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)