

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: P1250087

Luminaire Tested: P3AS20R509027D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250087
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: P3AS20R509027D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

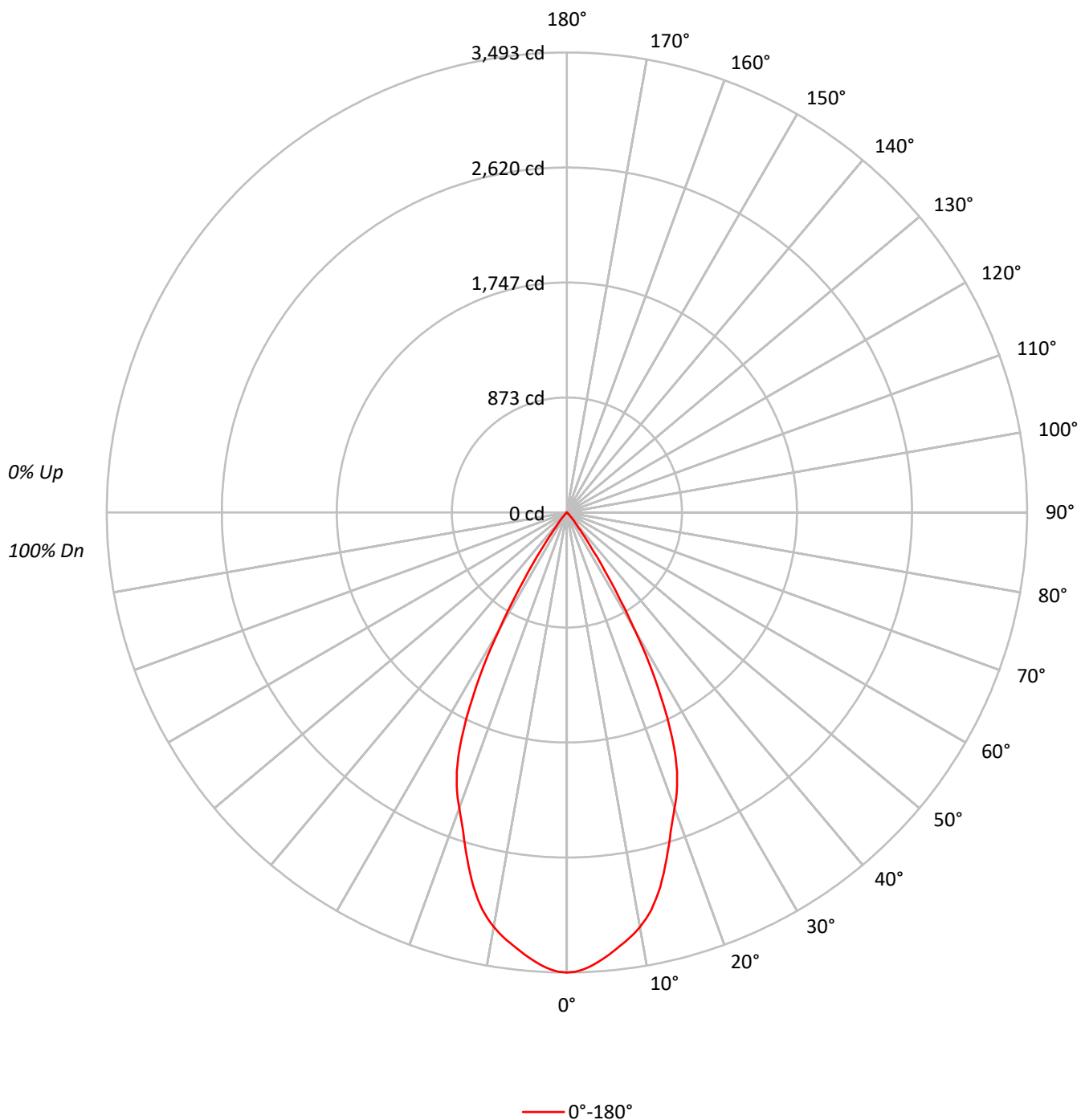
Lumens per Lamp: N/A
Luminaire Lumens: 2192.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1250087

CATALOG NUMBER: P3AS20R509027D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1250087

CATALOG NUMBER: P3AS20R509027D010 E3D1WMH

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°	766013
5°	745629
10°	711543
15°	644158
20°	557295
25°	457115
30°	262597
35°	81566
40°	21927
45°	7660
50°	1842
55°	573
60°	351
65°	415
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7660 cd/sqm

TEST NUMBER: P1250087

CATALOG NUMBER: P3AS20R509027D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.3	14.5
10°-20°	786.2	35.9
20°-30°	826.4	37.7
30°-40°	236.5	10.8
40°-50°	23.1	1.1
50°-60°	1.9	0.1
60°-70°	0.7	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°	1929.8	88.0
0°-40°	2166.4	98.8
0°-60°	2191.3	100.0
0°-90°	2192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2192.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3493	
5°	3387	317
15°	2838	786
25°	1889	826
35°	305	237
45°	25	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1250087

CATALOG NUMBER: P3AS20R509027D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3493.3
1°	3487.9
2°	3472.4
3°	3450.0
4°	3419.8
5°	3387.4
6°	3352.6
7°	3315.4
8°	3280.6
9°	3240.4
10°	3195.6
11°	3143.8
12°	3084.2
13°	3010.0
14°	2929.5
15°	2837.5
16°	2740.1
17°	2645.7
18°	2549.0
19°	2464.0
20°	2388.2
21°	2315.5
22°	2232.7
23°	2137.6
24°	2026.2
25°	1889.3
26°	1740.9
27°	1575.4
28°	1410.6
29°	1232.8
30°	1037.1
31°	853.8
32°	685.2
32.5°	611.7
33°	537.5
34°	412.2
35°	304.7
36°	223.5
37°	166.3
37.5°	143.8
38°	124.5
39°	96.7
40°	76.6
42.5°	43.3
45°	24.7



TEST NUMBER: P1250087

CATALOG NUMBER: P3AS20R509027D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.9
50°	5.4
52.5°	2.3
55°	1.5
57.5°	1.5
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
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)