

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: P1272637

Luminaire Tested: P3AS20R309827D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309827D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

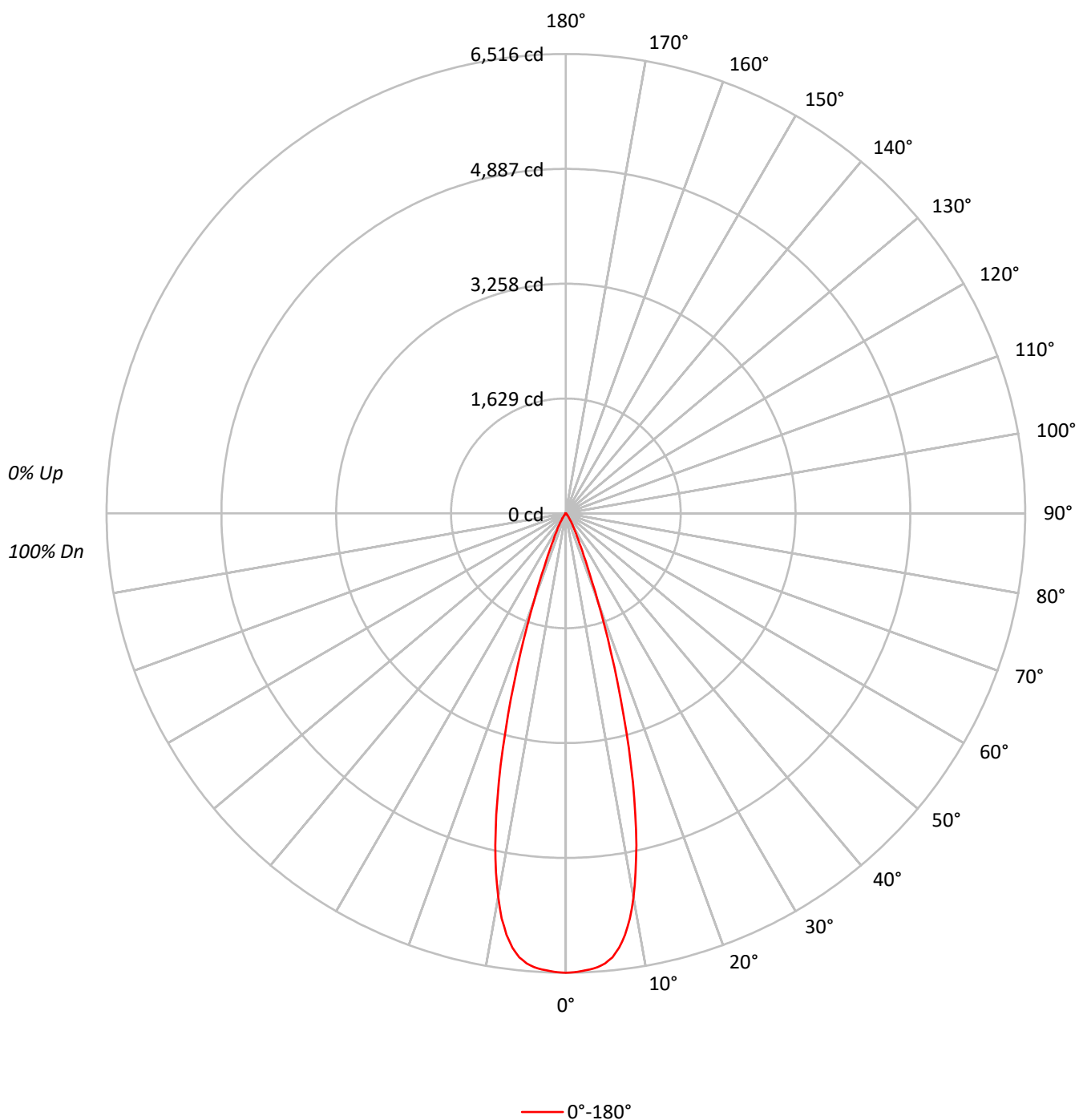
Lumens per Lamp: N/A
Luminaire Lumens: 1796.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1272637

CATALOG NUMBER: P3AS20R309827D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1272637

CATALOG NUMBER: P3AS20R309827D010 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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1428943
5°	1410320
10°	1231329
15°	782661
20°	310080
25°	103579
30°	48185
35°	21844
40°	8387
45°	4093
50°	1194
55°	535
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4093 cd/sqm

TEST NUMBER: P1272637

CATALOG NUMBER: P3AS20R309827D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.8	32.6
10°-20°	908.4	50.6
20°-30°	234.2	13.0
30°-40°	55.0	3.1
40°-50°	10.7	0.6
50°-60°	1.2	0.1
60°-70°	0.6	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°	1728.4	96.2
0°-40°	1783.4	99.3
0°-60°	1795.4	100.0
0°-90°	1796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6516	
5°	6407	586
15°	3448	908
25°	428	234
35°	82	55
45°	13	11
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272637

CATALOG NUMBER: P3AS20R309827D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	6516.5
1°	6511.7
2°	6496.3
3°	6478.9
4°	6453.1
5°	6407.1
6°	6332.5
7°	6208.4
8°	6039.0
9°	5818.0
10°	5530.0
11°	5187.7
12°	4814.0
13°	4383.9
14°	3933.5
15°	3447.6
16°	2971.4
17°	2512.6
18°	2072.7
19°	1669.1
20°	1328.8
21°	1045.8
22°	822.7
23°	651.2
24°	521.5
25°	428.1
26°	357.0
27°	303.3
28°	262.1
29°	224.5
30°	190.3
32.5°	119.9
35°	81.6
37.5°	50.9
40°	29.3
42.5°	19.5
45°	13.2
47.5°	7.7
50°	3.5
52.5°	1.4
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P1272637

CATALOG NUMBER: P3AS20R309827D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
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)