

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: P1263516

Luminaire Tested: P3A20R509727D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263516
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: P3A20R509727D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

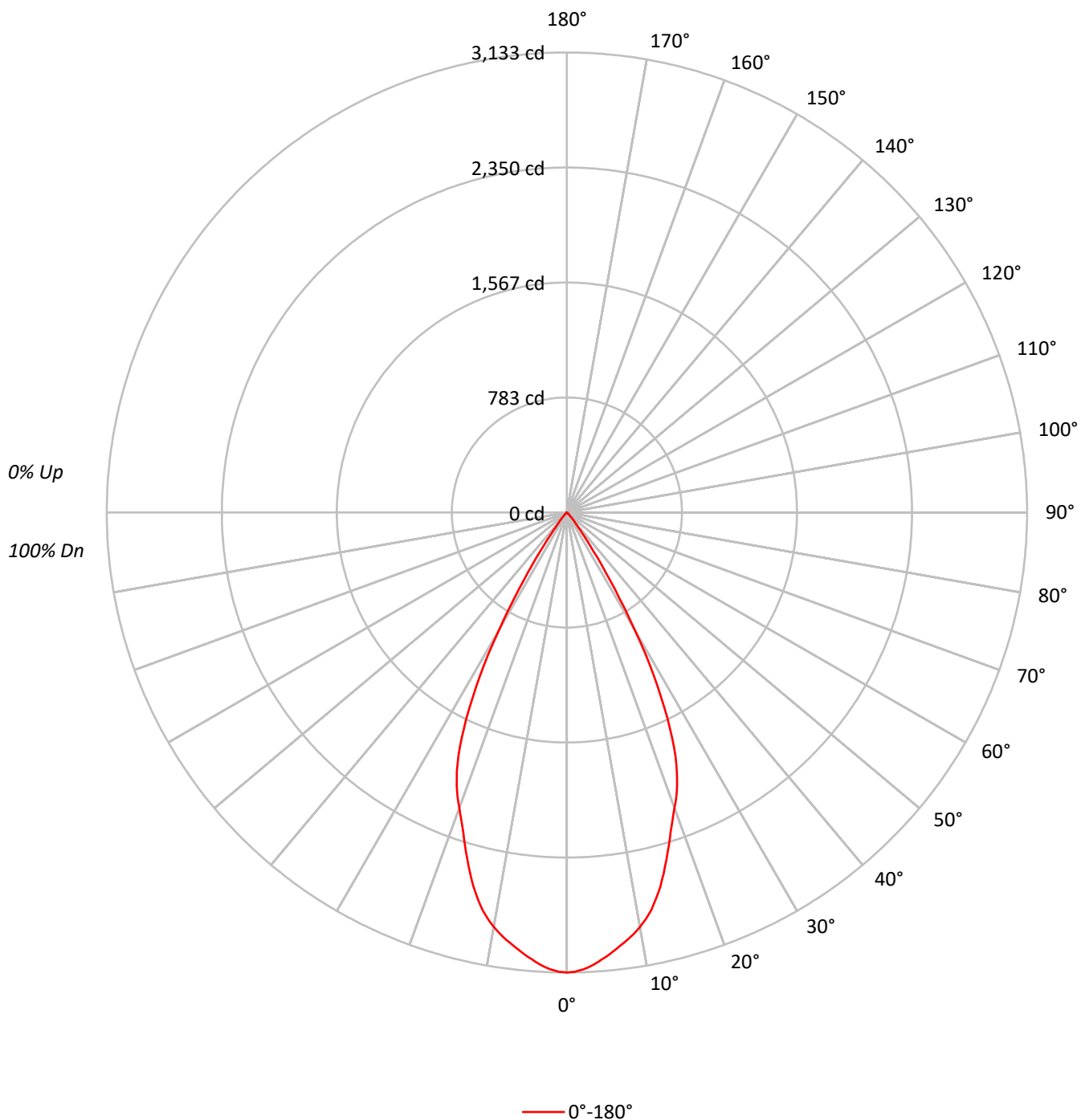
Lumens per Lamp: N/A
Luminaire Lumens: 1966.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263516

CATALOG NUMBER: P3A20R509727D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1263516

CATALOG NUMBER: P3A20R509727D010 E3D1WH

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°	687028
5°	668741
10°	638176
15°	577733
20°	499820
25°	409983
30°	235530
35°	73160
40°	19665
45°	6884
50°	1672
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: 6884 cd/sqm

TEST NUMBER: P1263516

CATALOG NUMBER: P3A20R509727D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	14.5
10°-20°	705.1	35.9
20°-30°	741.1	37.7
30°-40°	212.1	10.8
40°-50°	20.7	1.1
50°-60°	1.7	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°	1730.9	88.0
0°-40°	1943.0	98.8
0°-60°	1965.4	100.0
0°-90°	1966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3133	
5°	3038	285
15°	2545	705
25°	1694	741
35°	273	212
45°	22	21
55°	1	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1263516

CATALOG NUMBER: P3A20R509727D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3133.1
1°	3128.3
2°	3114.4
3°	3094.3
4°	3067.3
5°	3038.1
6°	3006.9
7°	2973.6
8°	2942.4
9°	2906.3
10°	2866.1
11°	2819.6
12°	2766.2
13°	2699.6
14°	2627.5
15°	2544.9
16°	2457.5
17°	2372.9
18°	2286.2
19°	2209.9
20°	2141.9
21°	2076.7
22°	2002.5
23°	1917.2
24°	1817.3
25°	1694.5
26°	1561.4
27°	1412.9
28°	1265.2
29°	1105.7
30°	930.2
31°	765.8
32°	614.6
32.5°	548.7
33°	482.1
34°	369.7
35°	273.3
36°	200.5
37°	149.1
37.5°	129.0
38°	111.7
39°	86.7
40°	68.7
42.5°	38.8
45°	22.2



TEST NUMBER: P1263516

CATALOG NUMBER: P3A20R509727D010 E3D1WH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.5
50°	4.9
52.5°	2.1
55°	1.4
57.5°	1.4
60°	0.7
62.5°	0.7
65°	0.7
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)