

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: P1268271

Luminaire Tested: P3A20R509735D010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268271
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: P3A20R509735D010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

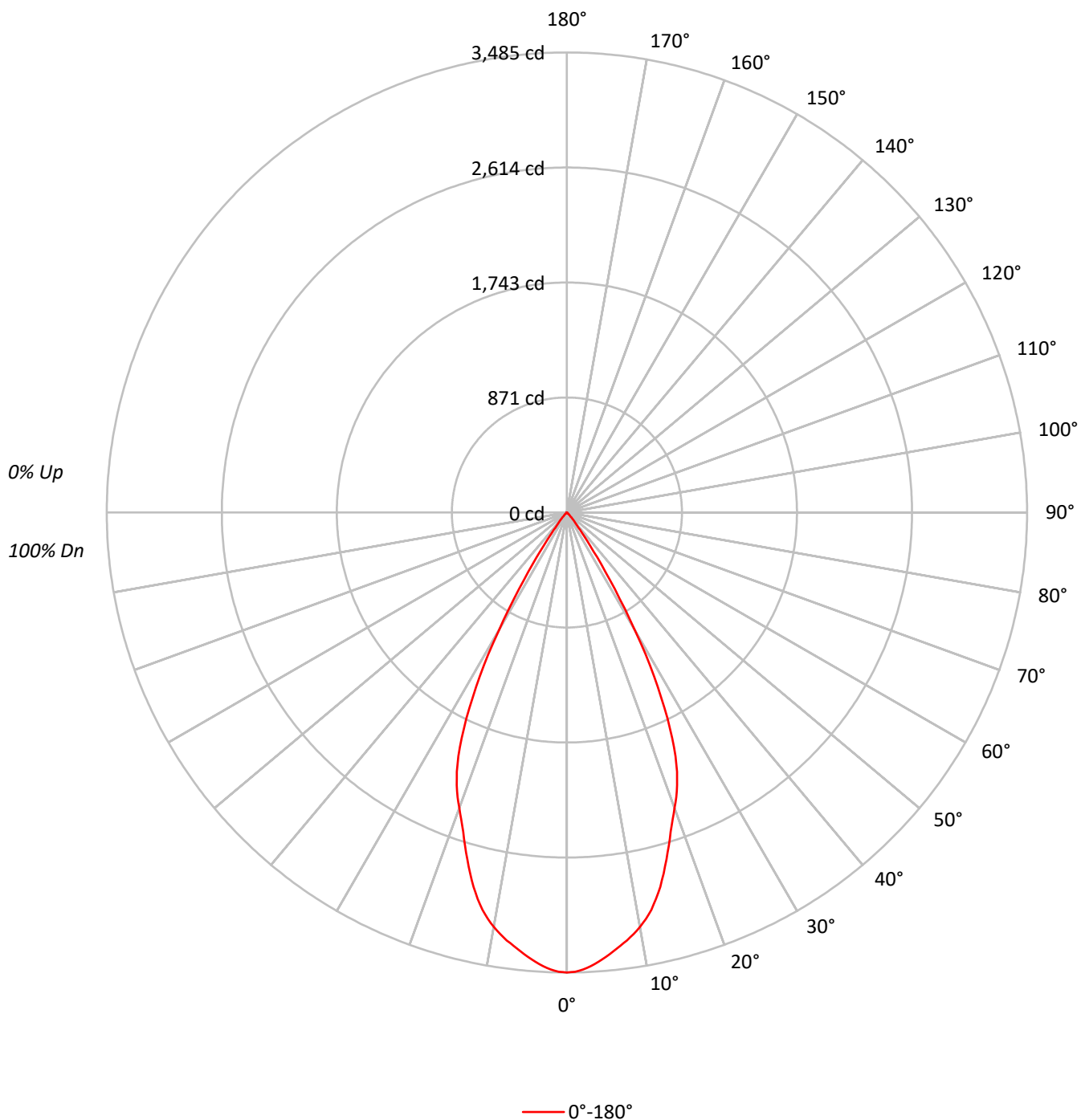
Lumens per Lamp: N/A
Luminaire Lumens: 2187.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1268271

CATALOG NUMBER: P3A20R509735D010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1268271

CATALOG NUMBER: P3A20R509735D010 E3D1H

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°	764259
5°	743912
10°	709918
15°	642682
20°	556012
25°	456075
30°	261990
35°	81378
40°	21870
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: P1268271

CATALOG NUMBER: P3A20R509735D010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.6	14.5
10°-20°	784.4	35.9
20°-30°	824.5	37.7
30°-40°	236.0	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°	1925.4	88.0
0°-40°	2161.4	98.8
0°-60°	2186.3	100.0
0°-90°	2187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3485	
5°	3380	317
15°	2831	784
25°	1885	824
35°	304	236
45°	25	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1268271

CATALOG NUMBER: P3A20R509735D010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3485.3
1°	3479.9
2°	3464.5
3°	3442.1
4°	3412.0
5°	3379.6
6°	3344.9
7°	3307.9
8°	3273.2
9°	3233.0
10°	3188.3
11°	3136.6
12°	3077.2
13°	3003.1
14°	2922.8
15°	2831.0
16°	2733.8
17°	2639.7
18°	2543.2
19°	2458.3
20°	2382.7
21°	2310.2
22°	2227.6
23°	2132.7
24°	2021.6
25°	1885.0
26°	1736.9
27°	1571.8
28°	1407.4
29°	1229.9
30°	1034.7
31°	851.9
32°	683.6
32.5°	610.3
33°	536.3
34°	411.3
35°	304.0
36°	223.0
37°	165.9
37.5°	143.5
38°	124.2
39°	96.5
40°	76.4
42.5°	43.2
45°	24.7

TEST NUMBER: P1268271

CATALOG NUMBER: P3A20R509735D010 E3D1H

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)