

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: P1247722

Luminaire Tested: P3A20R509024D010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247722
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: P3A20R509024D010 E3D1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

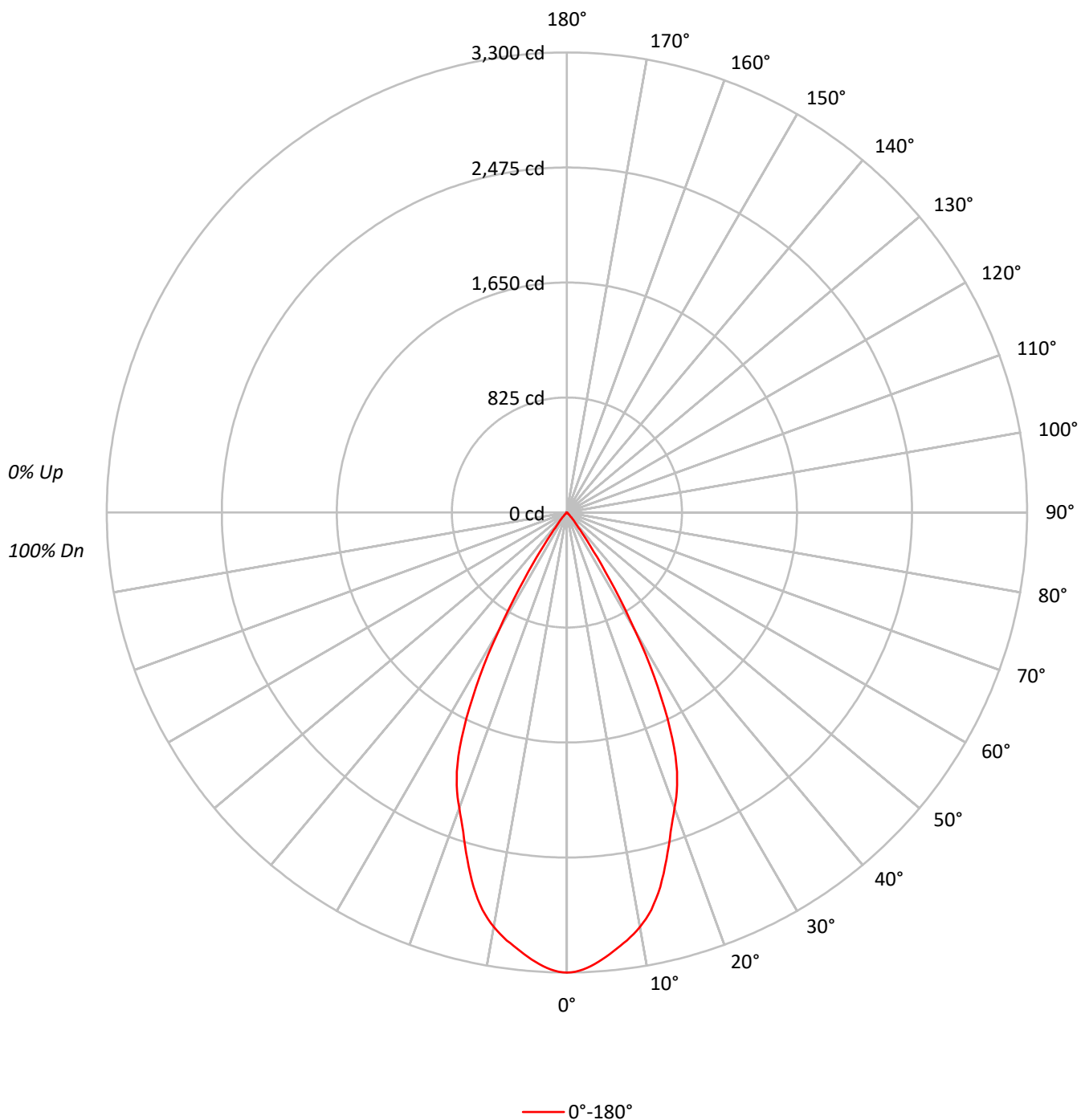
Lumens per Lamp: N/A
Luminaire Lumens: 2071.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247722

CATALOG NUMBER: P3A20R509024D010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247722

CATALOG NUMBER: P3A20R509024D010 E3D1LI

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°	723736
5°	704467
10°	672265
15°	608607
20°	526516
25°	431904
30°	248089
35°	77069
40°	20696
45°	7257
50°	1740
55°	573
60°	307
65°	363
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7257 cd/sqm

TEST NUMBER: P1247722

CATALOG NUMBER: P3A20R509024D010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	14.5
10°-20°	742.8	35.9
20°-30°	780.7	37.7
30°-40°	223.5	10.8
40°-50°	21.8	1.1
50°-60°	1.8	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°	1823.3	88.0
0°-40°	2046.8	98.8
0°-60°	2070.4	100.0
0°-90°	2071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3300	
5°	3200	300
15°	2681	743
25°	1785	781
35°	288	223
45°	23	22
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1247722

CATALOG NUMBER: P3A20R509024D010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	3300.5
1°	3295.4
2°	3280.8
3°	3259.6
4°	3231.1
5°	3200.4
6°	3167.5
7°	3132.4
8°	3099.5
9°	3061.6
10°	3019.2
11°	2970.2
12°	2914.0
13°	2843.8
14°	2767.8
15°	2680.9
16°	2588.8
17°	2499.7
18°	2408.3
19°	2327.9
20°	2256.3
21°	2187.7
22°	2109.5
23°	2019.6
24°	1914.4
25°	1785.1
26°	1644.8
27°	1488.4
28°	1332.8
29°	1164.7
30°	979.8
31°	806.7
32°	647.4
32.5°	578.0
33°	507.8
34°	389.5
35°	287.9
36°	211.2
37°	157.1
37.5°	135.9
38°	117.6
39°	91.3
40°	72.3
42.5°	40.9
45°	23.4



TEST NUMBER: P1247722

CATALOG NUMBER: P3A20R509024D010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.2
50°	5.1
52.5°	2.2
55°	1.5
57.5°	1.5
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)