

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: P1265781

Luminaire Tested: P3A20R309730D010 E3D1WH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265781
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: P3A20R309730D010 E3D1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3D1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

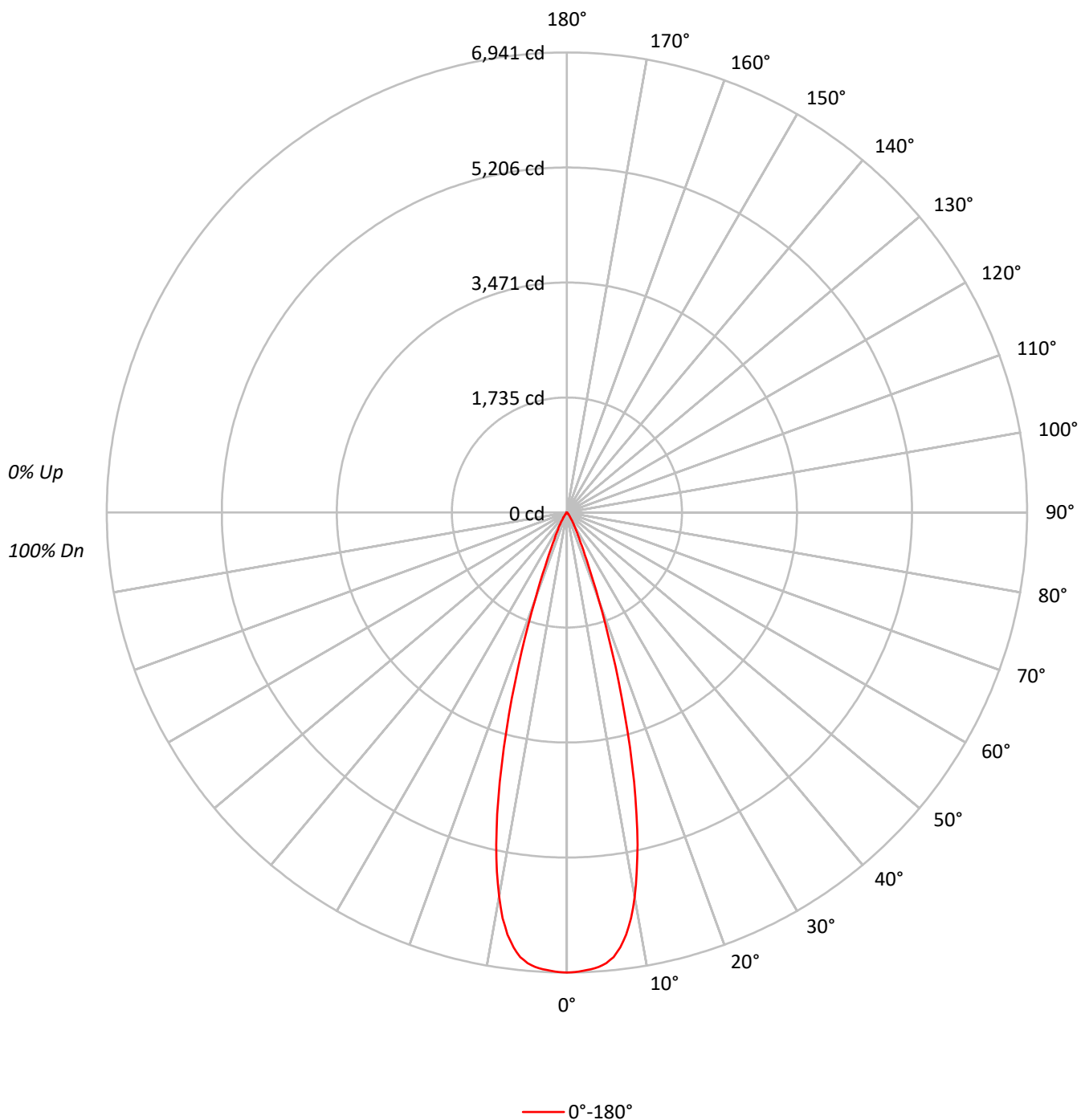
Lumens per Lamp: N/A
Luminaire Lumens: 1913.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1265781

CATALOG NUMBER: P3A20R309730D010 E3D1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1265781

CATALOG NUMBER: P3A20R309730D010 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	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°	1522049
5°	1502197
10°	1311554
15°	833626
20°	330289
25°	110329
30°	51324
35°	23262
40°	8931
45°	4373
50°	1262
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: 4373 cd/sqm

TEST NUMBER: P1265781

CATALOG NUMBER: P3A20R309730D010 E3D1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.9	32.6
10°-20°	967.6	50.6
20°-30°	249.5	13.0
30°-40°	58.6	3.1
40°-50°	11.4	0.6
50°-60°	1.3	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°	1841.0	96.2
0°-40°	1899.6	99.3
0°-60°	1912.3	100.0
0°-90°	1913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1913.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6941	
5°	6824	624
15°	3672	968
25°	456	249
35°	87	59
45°	14	11
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1265781

CATALOG NUMBER: P3A20R309730D010 E3D1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	6941.1
1°	6935.9
2°	6919.5
3°	6901.0
4°	6873.5
5°	6824.5
6°	6745.0
7°	6612.8
8°	6432.4
9°	6197.0
10°	5890.3
11°	5525.7
12°	5127.6
13°	4669.5
14°	4189.7
15°	3672.1
16°	3165.0
17°	2676.3
18°	2207.7
19°	1777.8
20°	1415.4
21°	1113.9
22°	876.3
23°	693.6
24°	555.5
25°	456.0
26°	380.2
27°	323.0
28°	279.2
29°	239.1
30°	202.7
32.5°	127.7
35°	86.9
37.5°	54.2
40°	31.2
42.5°	20.8
45°	14.1
47.5°	8.2
50°	3.7
52.5°	1.5
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7



TEST NUMBER: P1265781

CATALOG NUMBER: P3A20R309730D010 E3D1WH

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)