

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: P1295831

Luminaire Tested: P3A13R20W2N902765DE010 E3D1LI_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902765DE010 E3D1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

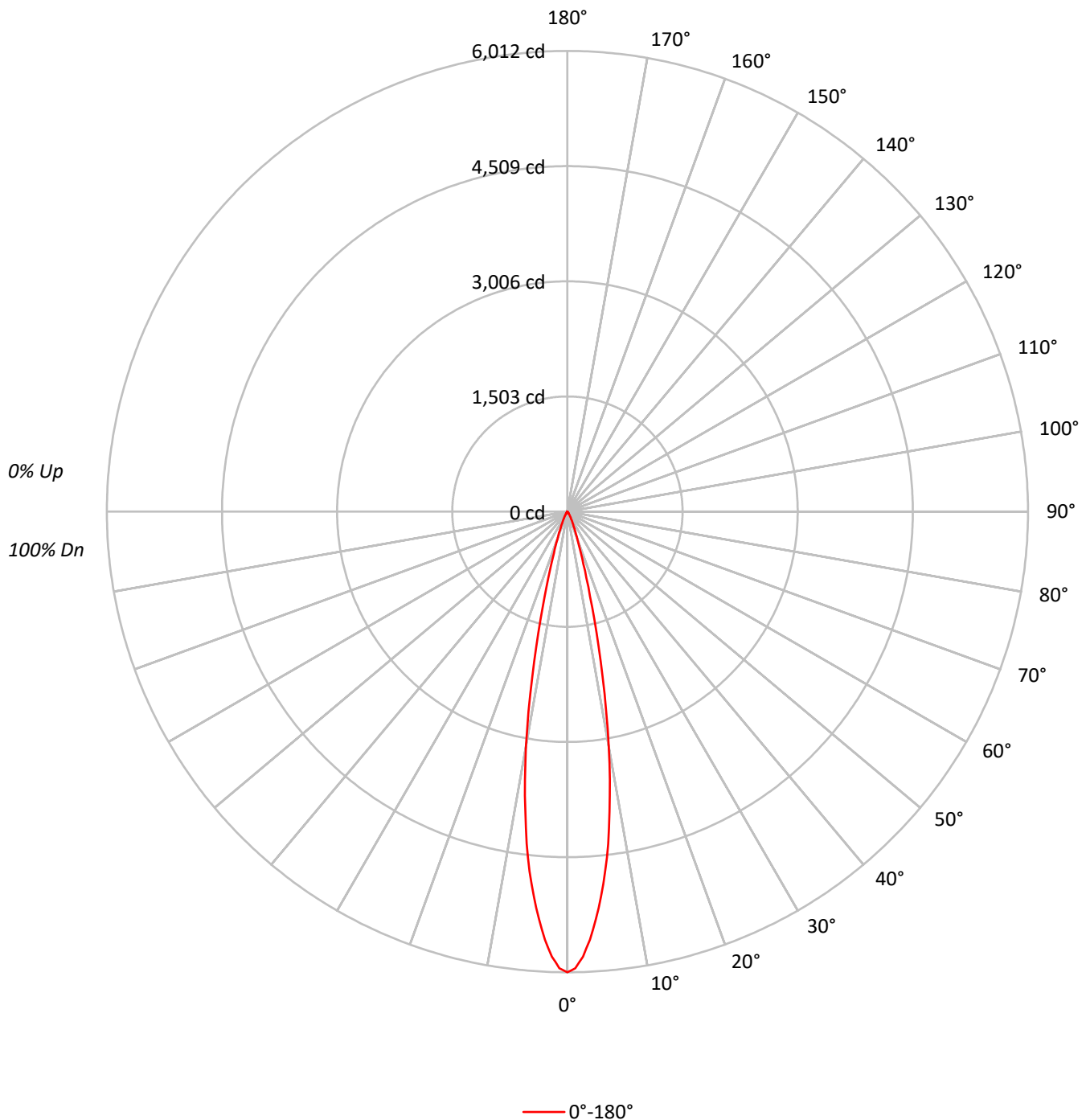
Lumens per Lamp: N/A
Luminaire Lumens: 868.9 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1295831

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1295831

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	114	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99	98	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	99	96	94		97	95	93		95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93	91	90	89
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		92	89	88	87
7	99	93	90	87	98	93	89	87	92	89	86		91	88	86		90	87	86	85
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88	86	84	83
9	95	89	85	83	94	89	85	83	88	85	83		87	84	83		87	84	82	81
10	93	87	84	81	92	87	83	81	86	83	81		86	83	81		85	83	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1318206
5°	1109858
10°	693218
15°	259162
20°	88954
25°	37067
30°	17471
35°	7817
40°	3693
45°	1892
50°	682
55°	115
60°	132
65°	156
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1892 cd/sqm

TEST NUMBER: P1295831

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.3	48.3
10°-20°	345.4	39.7
20°-30°	78.5	9.0
30°-40°	20.0	2.3
40°-50°	5.0	0.6
50°-60°	0.6	0.1
60°-70°	0.2	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°	843.2	97.0
0°-40°	863.1	99.3
0°-60°	868.8	100.0
0°-90°	868.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6012	
5°	5042	419
15°	1142	345
25°	153	78
35°	29	20
45°	6	5
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1295831

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	6011.5
1°	5960.5
2°	5810.3
3°	5594.9
4°	5330.6
5°	5042.1
6°	4720.7
7°	4366.0
8°	3952.2
9°	3542.1
10°	3113.3
11°	2657.0
12°	2201.3
13°	1815.4
14°	1446.4
15°	1141.6
16°	901.1
17°	710.8
18°	571.1
19°	464.5
20°	381.2
21°	318.7
22°	266.0
23°	221.2
24°	184.5
25°	153.2
27.5°	100.2
30°	69.0
32.5°	42.5
35°	29.2
37.5°	18.7
40°	12.9
42.5°	8.8
45°	6.1
47.5°	4.1
50°	2.0
52.5°	1.0
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1295831

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_2700K

CANDELA DISTRIBUTION (continued):

	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)