

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: P1295836

Luminaire Tested: P3A13R20W2N902765DE010 E3D1LI_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295836
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_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 6500K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

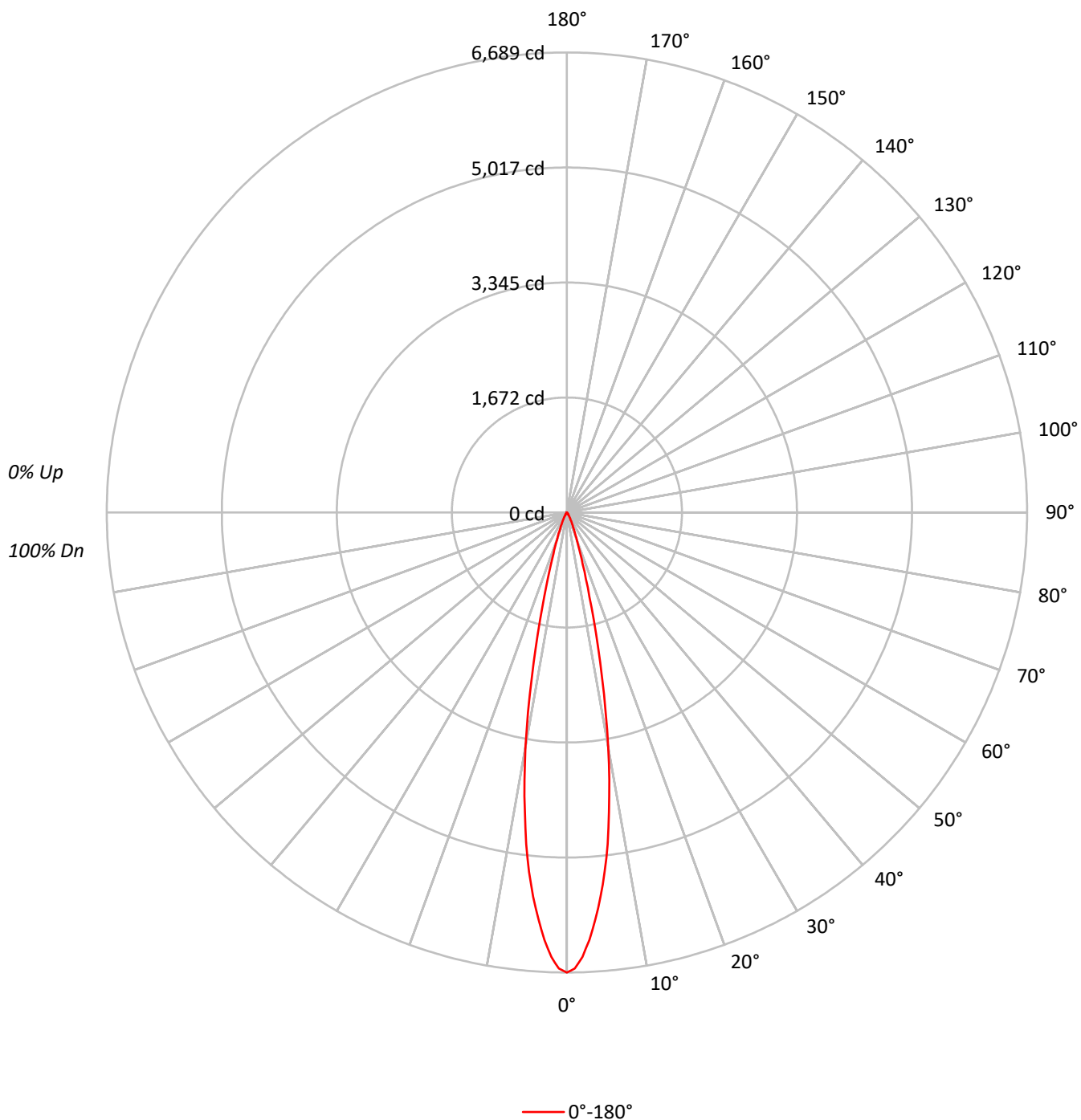
Lumens per Lamp: N/A
Luminaire Lumens: 967.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1295836

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1295836

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_6500K

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°	1466856
5°	1235040
10°	771395
15°	288401
20°	98989
25°	41252
30°	19446
35°	8700
40°	4122
45°	2109
50°	785
55°	153
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2109 cd/sqm

TEST NUMBER: P1295836

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.6	48.2
10°-20°	384.3	39.7
20°-30°	87.3	9.0
30°-40°	22.2	2.3
40°-50°	5.6	0.6
50°-60°	0.7	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°	938.2	97.0
0°-40°	960.5	99.3
0°-60°	966.8	100.0
0°-90°	967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6689	
5°	5611	467
15°	1270	384
25°	170	87
35°	32	22
45°	7	6
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1295836

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	6689.4
1°	6632.7
2°	6465.6
3°	6225.9
4°	5931.7
5°	5610.8
6°	5253.1
7°	4858.4
8°	4397.9
9°	3941.5
10°	3464.4
11°	2956.6
12°	2449.6
13°	2020.1
14°	1609.5
15°	1270.4
16°	1002.7
17°	790.9
18°	635.6
19°	516.8
20°	424.2
21°	354.6
22°	296.0
23°	246.1
24°	205.3
25°	170.5
27.5°	111.5
30°	76.8
32.5°	47.3
35°	32.5
37.5°	20.8
40°	14.4
42.5°	9.8
45°	6.8
47.5°	4.5
50°	2.3
52.5°	1.1
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1295836

CATALOG NUMBER: P3A13R20W2N902765DE010 E3D1LI_6500K

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)