

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: P1295897

Luminaire Tested: P3A13R20W2N902765DE010 E3DLD1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R20W2N902765DE010 E3DLD1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

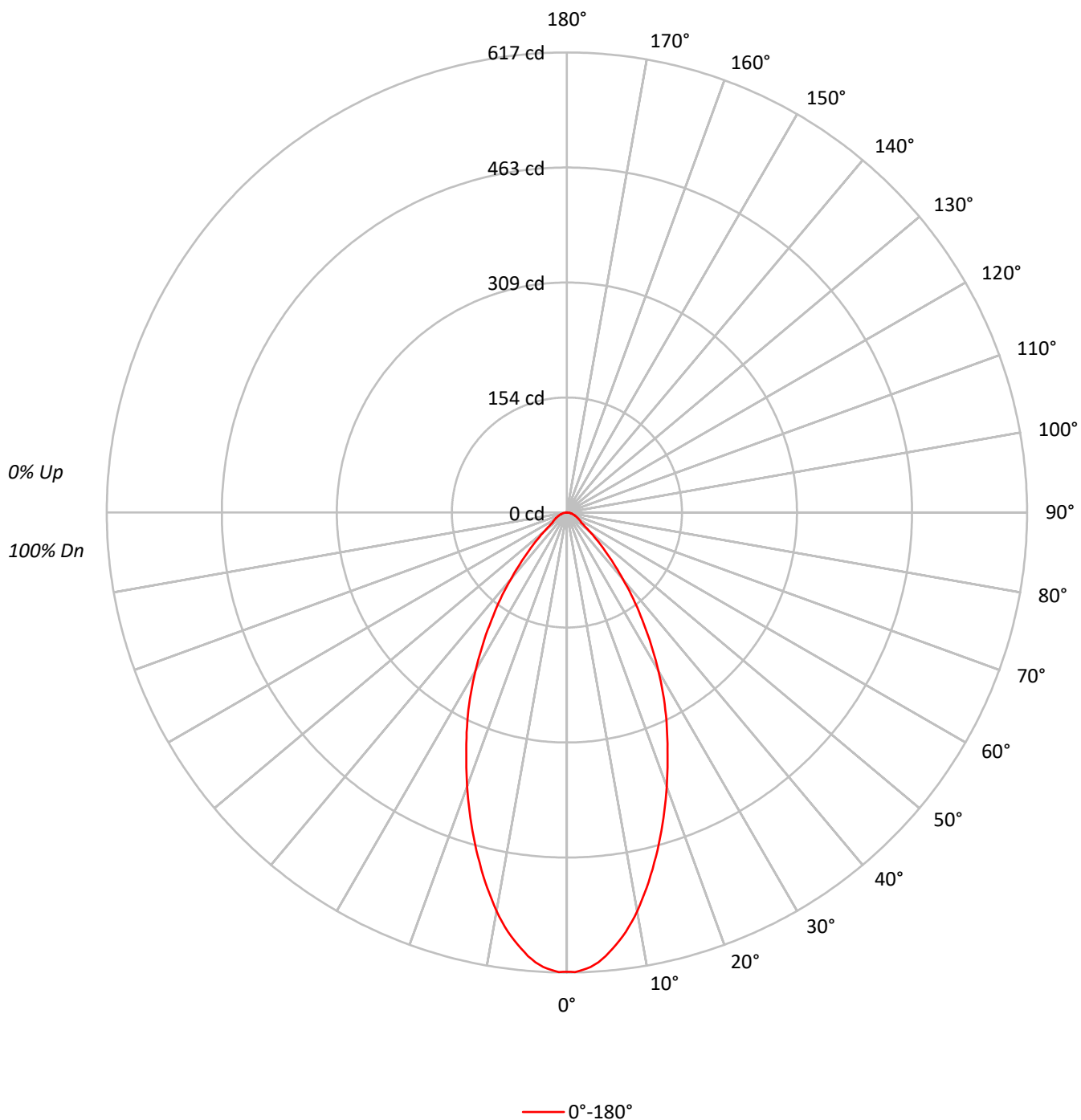
Lumens per Lamp: N/A
Luminaire Lumens: 546.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1295897

CATALOG NUMBER: P3A13R20W2N902765DE010 E3DLD1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1295897

CATALOG NUMBER: P3A13R20W2N902765DE010 E3DLD1LI_2700K

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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		90
3	100	93	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	59	54	74	64	58	54	63	58	54		62	57	53		61
9	72	61	55	50	70	61	55	50	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135055
5°	131455
10°	120929
15°	106448
20°	91288
25°	76698
30°	61984
35°	47167
40°	33549
45°	22142
50°	13714
55°	9022
60°	8201
65°	7575
70°	7117
75°	6439
80°	6188
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22142 cd/sqm

TEST NUMBER: P1295897

CATALOG NUMBER: P3A13R20W2N902765DE010 E3DLD1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	10.1
10°-20°	130.5	23.9
20°-30°	144.9	26.5
30°-40°	110.5	20.2
40°-50°	56.6	10.4
50°-60°	23.2	4.3
60°-70°	14.5	2.7
70°-80°	8.1	1.5
80°-90°	2.4	0.4
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°	330.7	60.6
0°-40°	441.2	80.8
0°-60°	521.0	95.4
0°-90°	546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	546.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	616	
5°	597	55
15°	469	131
25°	317	145
35°	176	111
45°	71	57
55°	24	23
65°	15	14
75°	8	8
85°	2	2
90°	0	

TEST NUMBER: P1295897

CATALOG NUMBER: P3A13R20W2N902765DE010 E3DLD1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	615.9
1°	616.6
2°	613.8
3°	610.3
4°	604.8
5°	597.2
6°	588.1
7°	578.4
8°	568.0
9°	555.6
10°	543.1
12.5°	507.0
15°	468.9
17.5°	430.0
20°	391.2
22.5°	352.3
25°	317.0
27.5°	281.6
30°	244.8
32.5°	210.2
35°	176.2
37.5°	146.3
40°	117.2
42.5°	92.2
45°	71.4
47.5°	54.1
50°	40.2
52.5°	29.8
55°	23.6
57.5°	21.5
60°	18.7
62.5°	16.6
65°	14.6
67.5°	12.5
70°	11.1
72.5°	9.0
75°	7.6
77.5°	6.2
80°	4.9
82.5°	3.5
85°	2.1
87.5°	0.7
90°	0.0

(END OF REPORT)