

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: P1298887

Luminaire Tested: P3A13R70W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

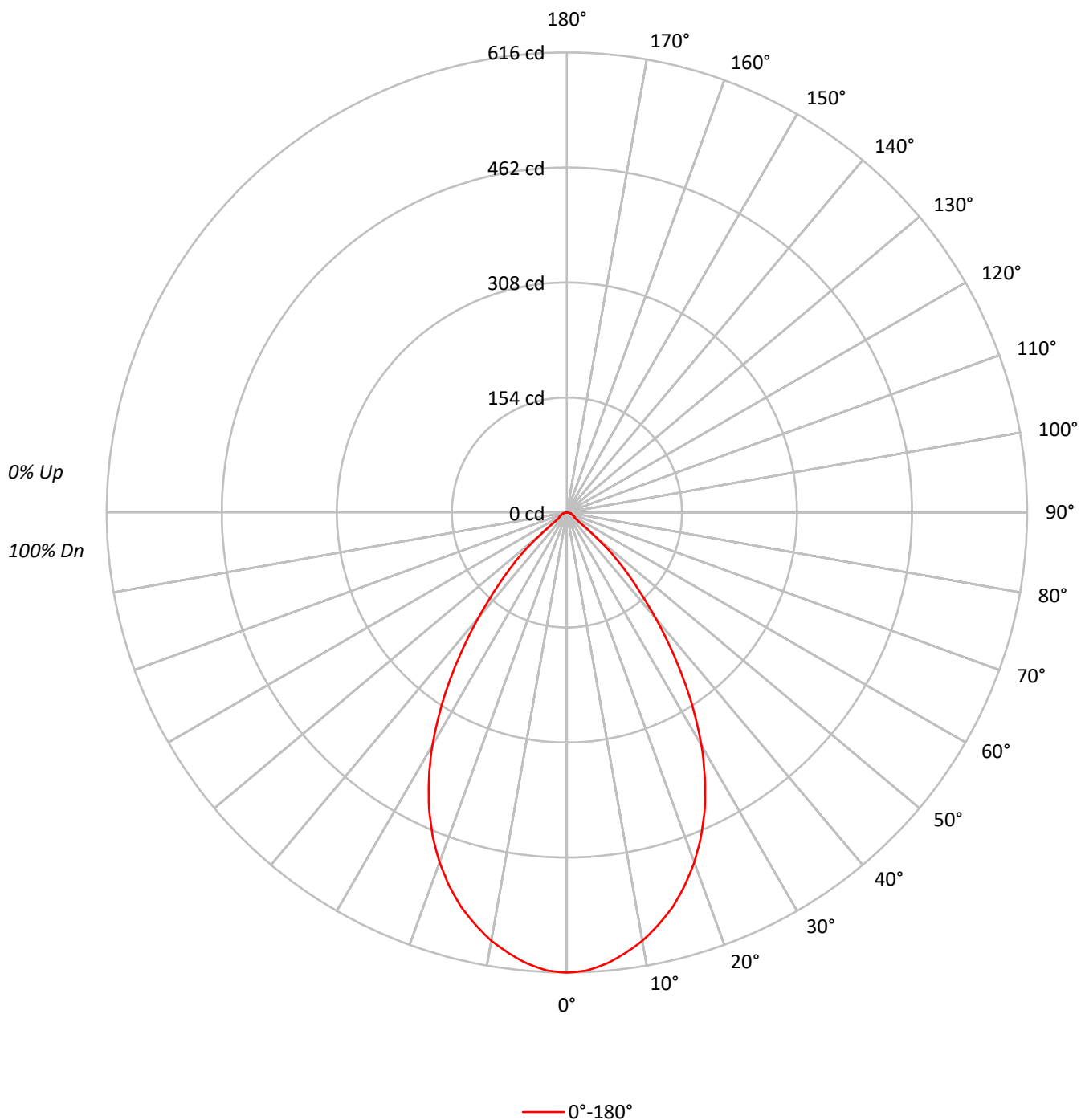
Lumens per Lamp: N/A
Luminaire Lumens: 698.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1298887

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1298887

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_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	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135121
5°	133502
10°	129657
15°	124155
20°	116303
25°	105659
30°	91255
35°	72732
40°	52985
45°	34825
50°	16307
55°	5046
60°	4868
65°	4670
70°	4424
75°	4660
80°	4420
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34825 cd/sqm

TEST NUMBER: P1298887

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	8.2
10°-20°	153.1	21.9
20°-30°	198.9	28.5
30°-40°	168.8	24.2
40°-50°	87.0	12.5
50°-60°	16.8	2.4
60°-70°	9.1	1.3
70°-80°	5.6	0.8
80°-90°	1.6	0.2
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°	409.1	58.6
0°-40°	577.9	82.8
0°-60°	681.8	97.7
0°-90°	698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	616	
5°	606	57
15°	547	153
25°	437	199
35°	272	169
45°	112	87
55°	13	17
65°	9	9
75°	6	6
85°	1	2
90°	0	

TEST NUMBER: P1298887

CATALOG NUMBER: P3A13R70W2N902750DE010 E3DL1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	616.2
2.5°	614.1
5°	606.5
7.5°	595.4
10°	582.3
12.5°	565.6
15°	546.9
17.5°	524.0
20°	498.4
22.5°	469.3
25°	436.7
27.5°	400.0
30°	360.4
32.5°	316.8
35°	271.7
37.5°	227.4
40°	185.1
42.5°	145.6
45°	112.3
47.5°	82.5
50°	47.8
52.5°	20.8
55°	13.2
57.5°	12.5
60°	11.1
62.5°	10.4
65°	9.0
67.5°	8.3
70°	6.9
72.5°	6.2
75°	5.5
77.5°	4.2
80°	3.5
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)