

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: P1298538

Luminaire Tested: P3A13R65W2N902750DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R65W2N902750DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

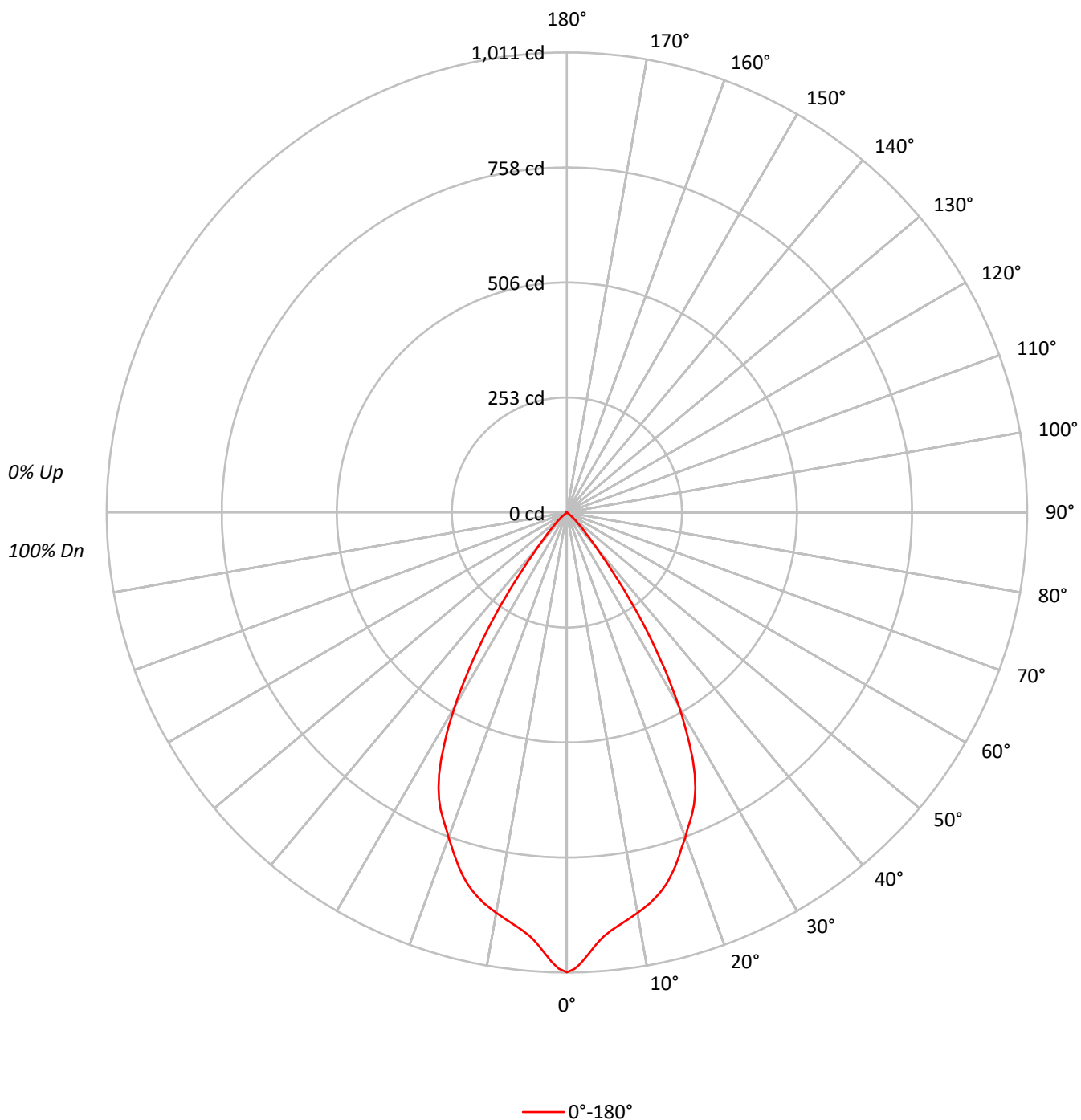
Lumens per Lamp: N/A
Luminaire Lumens: 827.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1298538

CATALOG NUMBER: P3A13R65W2N902750DE010 E3D1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1298538

CATALOG NUMBER: P3A13R65W2N902750DE010 E3D1H_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89		88
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88	86	83		82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78		77
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73		72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68		67
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71	67	64		63
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		68	63	60		59
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64	60	57		56
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61	57	54		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221605
5°	205767
10°	198972
15°	191760
20°	177279
25°	161525
30°	124804
35°	72330
40°	28711
45°	12218
50°	2900
55°	382
60°	307
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12218 cd/sqm

TEST NUMBER: P1298538

CATALOG NUMBER: P3A13R65W2N902750DE010 E3D1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	10.7
10°-20°	235.4	28.5
20°-30°	297.9	36.0
30°-40°	169.6	20.5
40°-50°	33.7	4.1
50°-60°	1.7	0.2
60°-70°	0.4	0.1
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°	621.4	75.1
0°-40°	791.0	95.7
0°-60°	826.5	99.9
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1011	
5°	935	88
15°	845	235
25°	668	298
35°	270	170
45°	39	34
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1298538

CATALOG NUMBER: P3A13R65W2N902750DE010 E3D1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1010.6
1°	1003.1
2°	986.8
3°	967.7
4°	949.1
5°	934.8
6°	924.2
7°	915.7
8°	908.3
9°	900.8
10°	893.6
11°	885.8
12°	877.7
13°	867.8
14°	857.3
15°	844.7
16°	829.7
17°	813.4
18°	795.7
19°	777.1
20°	759.7
21°	742.0
22°	726.1
23°	709.4
24°	690.0
25°	667.6
26°	640.7
27°	608.5
28°	572.1
29°	533.3
30°	492.9
31°	448.4
32°	404.2
32.5°	381.4
33°	359.3
34°	314.4
35°	270.2
36°	229.4
37°	189.0
37.5°	168.3
38°	151.6
39°	122.7
40°	100.3
42.5°	61.9
45°	39.4



TEST NUMBER: P1298538

CATALOG NUMBER: P3A13R65W2N902750DE010 E3D1H_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	23.1
50°	8.5
52.5°	1.7
55°	1.0
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.3
67.5°	0.3
70°	0.3
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)