

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: P1297902

Luminaire Tested: P3A13R55W2N902750DE010 E3D1H_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R55W2N902750DE010 E3D1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

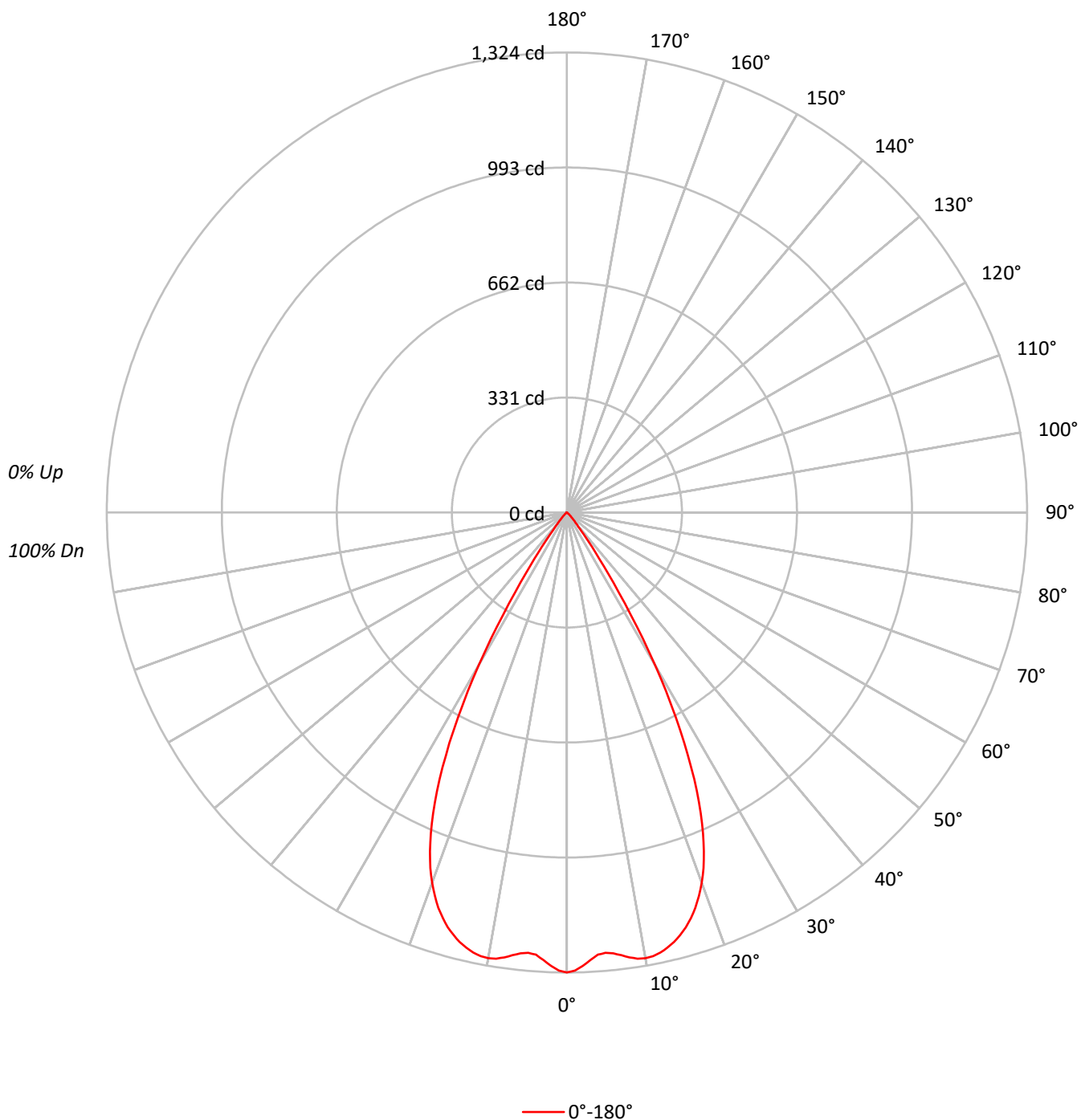
Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	92	91	89
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78		84	80	77		82	79	76	75
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	83	75	69	66	82	74	69	65	73	69	65		72	68	65		71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	290284
5°	280012
10°	290019
15°	285927
20°	264623
25°	214004
30°	128248
35°	43473
40°	11965
45°	5303
50°	1569
55°	306
60°	175
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	12.3
10°-20°	350.7	35.0
20°-30°	389.8	38.9
30°-40°	121.3	12.1
40°-50°	14.6	1.5
50°-60°	1.1	0.1
60°-70°	0.4	0.0
70°-80°	0.1	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°	863.5	86.3
0°-40°	984.9	98.4
0°-60°	1000.6	100.0
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1324	
5°	1272	123
15°	1260	351
25°	884	390
35°	162	121
45°	17	15
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1323.8
1°	1318.8
2°	1305.9
3°	1289.9
4°	1275.5
5°	1272.1
6°	1275.9
7°	1283.8
8°	1293.0
9°	1300.2
10°	1302.5
11°	1301.0
12°	1294.9
13°	1285.4
14°	1274.3
15°	1259.5
16°	1242.4
17°	1220.7
18°	1196.4
19°	1167.1
20°	1134.0
21°	1096.4
22°	1051.9
23°	1002.8
24°	946.5
25°	884.5
26°	816.5
27°	744.2
28°	667.0
29°	587.5
30°	506.5
31°	425.2
32°	345.7
32.5°	310.3
33°	273.8
34°	211.8
35°	162.4
36°	123.6
37°	91.6
37.5°	78.3
38°	68.1
39°	51.7
40°	41.8
42.5°	26.6
45°	17.1



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.3
50°	4.6
52.5°	1.5
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)