

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: P1297900

Luminaire Tested: P3A13R55W2N902750DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297900
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

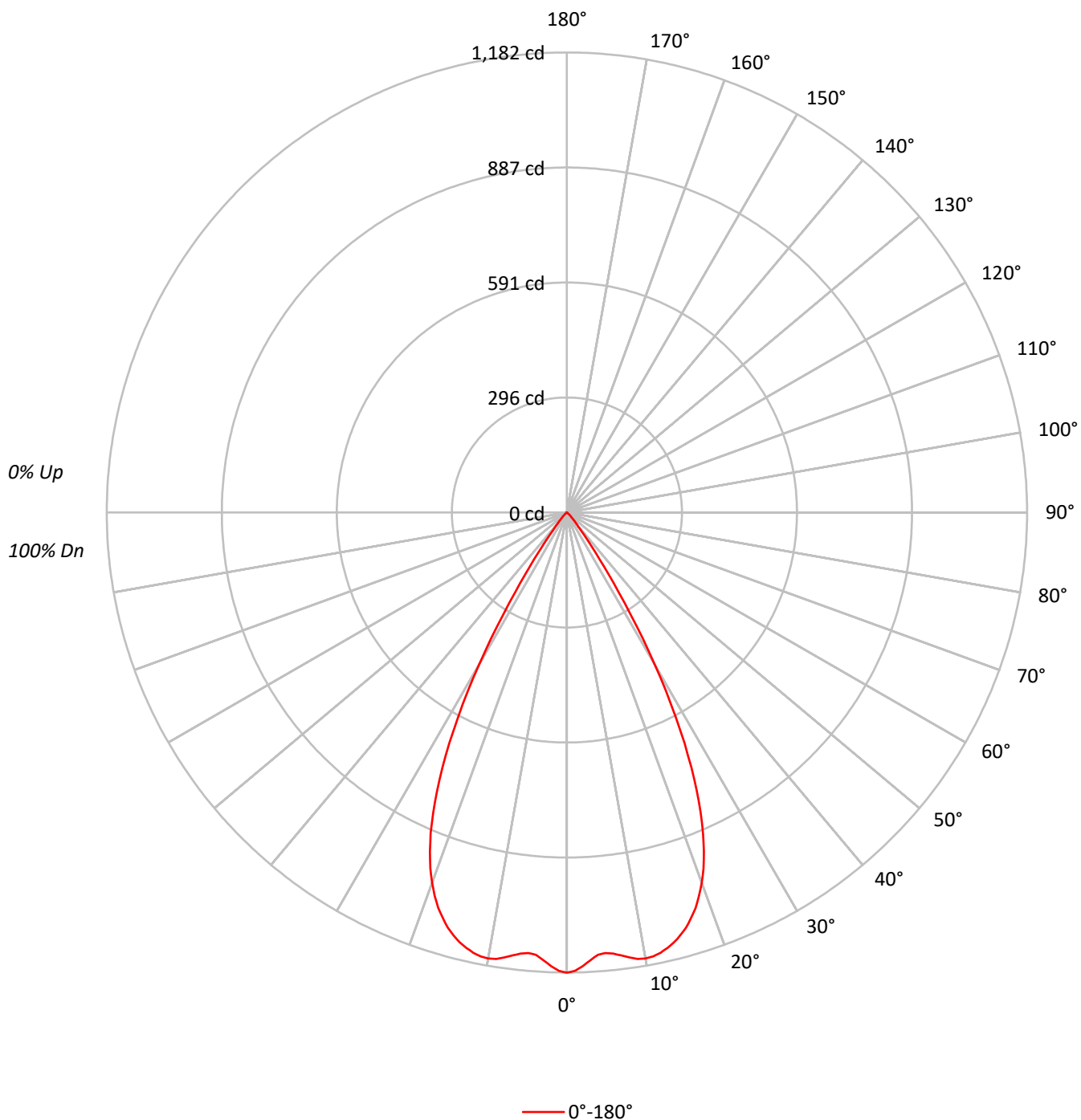
Lumens per Lamp: N/A
Luminaire Lumens: 894.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	83	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	66	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°	259256
5°	250076
10°	259024
15°	255370
20°	236341
25°	191140
30°	114549
35°	38815
40°	10706
45°	4745
50°	1399
55°	268
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	12.3
10°-20°	313.2	35.0
20°-30°	348.1	38.9
30°-40°	108.4	12.1
40°-50°	13.0	1.5
50°-60°	1.0	0.1
60°-70°	0.3	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°	771.2	86.3
0°-40°	879.6	98.4
0°-60°	893.6	100.0
0°-90°	894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1182	
5°	1136	110
15°	1125	313
25°	790	348
35°	145	108
45°	15	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1182.3
1°	1177.9
2°	1166.3
3°	1152.0
4°	1139.1
5°	1136.1
6°	1139.5
7°	1146.6
8°	1154.8
9°	1161.2
10°	1163.3
11°	1161.9
12°	1156.5
13°	1148.0
14°	1138.1
15°	1124.9
16°	1109.6
17°	1090.2
18°	1068.5
19°	1042.3
20°	1012.8
21°	979.2
22°	939.4
23°	895.6
24°	845.4
25°	790.0
26°	729.2
27°	664.7
28°	595.7
29°	524.7
30°	452.4
31°	379.7
32°	308.7
32.5°	277.1
33°	244.5
34°	189.2
35°	145.0
36°	110.4
37°	81.9
37.5°	70.0
38°	60.8
39°	46.2
40°	37.4
42.5°	23.8
45°	15.3



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.2
50°	4.1
52.5°	1.4
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
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)