

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: P1297909

Luminaire Tested: P3A13R55W2N902750DE010 E3D1LI_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297909
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 E3D1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

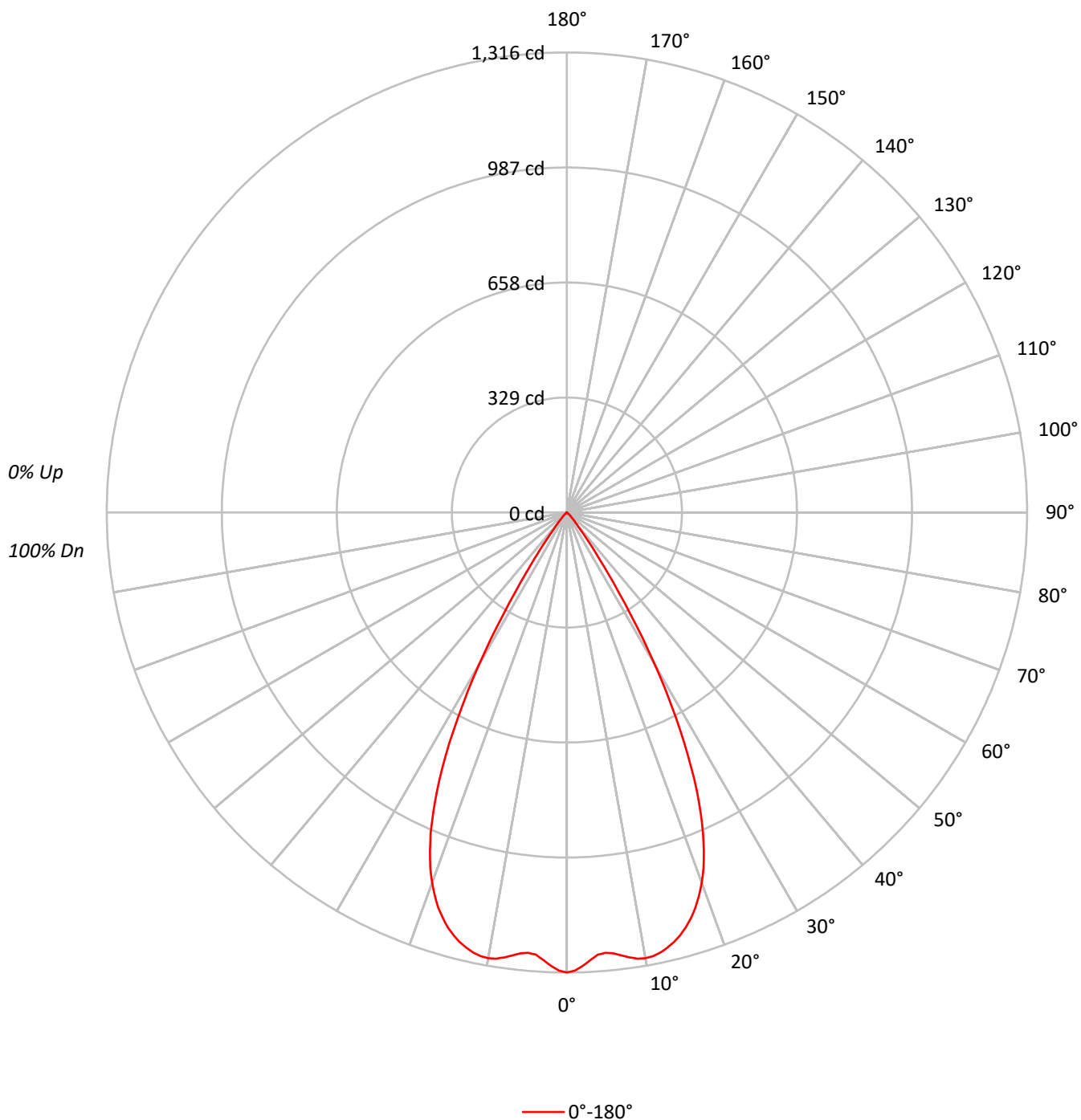
Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1297909

CATALOG NUMBER: P3A13R55W2N902750DE010 E3D1LI_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297909

CATALOG NUMBER: P3A13R55W2N902750DE010 E3D1LI_5000K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	288530
5°	278318
10°	288282
15°	284224
20°	263036
25°	212722
30°	127488
35°	43206
40°	11908
45°	5272
50°	1535
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: 5272 cd/sqm

TEST NUMBER: P1297909

CATALOG NUMBER: P3A13R55W2N902750DE010 E3D1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	12.3
10°-20°	348.6	35.0
20°-30°	387.5	38.9
30°-40°	120.6	12.1
40°-50°	14.5	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°	858.4	86.3
0°-40°	979.0	98.4
0°-60°	994.6	100.0
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1316	
5°	1264	122
15°	1252	349
25°	879	387
35°	161	121
45°	17	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1297909

CATALOG NUMBER: P3A13R55W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1315.8
1°	1310.9
2°	1298.1
3°	1282.2
4°	1267.8
5°	1264.4
6°	1268.2
7°	1276.2
8°	1285.2
9°	1292.4
10°	1294.7
11°	1293.2
12°	1287.1
13°	1277.7
14°	1266.7
15°	1252.0
16°	1234.9
17°	1213.4
18°	1189.2
19°	1160.1
20°	1127.2
21°	1089.8
22°	1045.6
23°	996.8
24°	940.9
25°	879.2
26°	811.6
27°	739.8
28°	663.0
29°	584.0
30°	503.5
31°	422.6
32°	343.6
32.5°	308.5
33°	272.2
34°	210.5
35°	161.4
36°	122.9
37°	91.1
37.5°	77.9
38°	67.7
39°	51.4
40°	41.6
42.5°	26.5
45°	17.0



TEST NUMBER: P1297909

CATALOG NUMBER: P3A13R55W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.2
50°	4.5
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)