

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: P1297870

Luminaire Tested: P3A13R55W2N902750DE010 E3CB1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R55W2N902750DE010 E3CB1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3CB1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

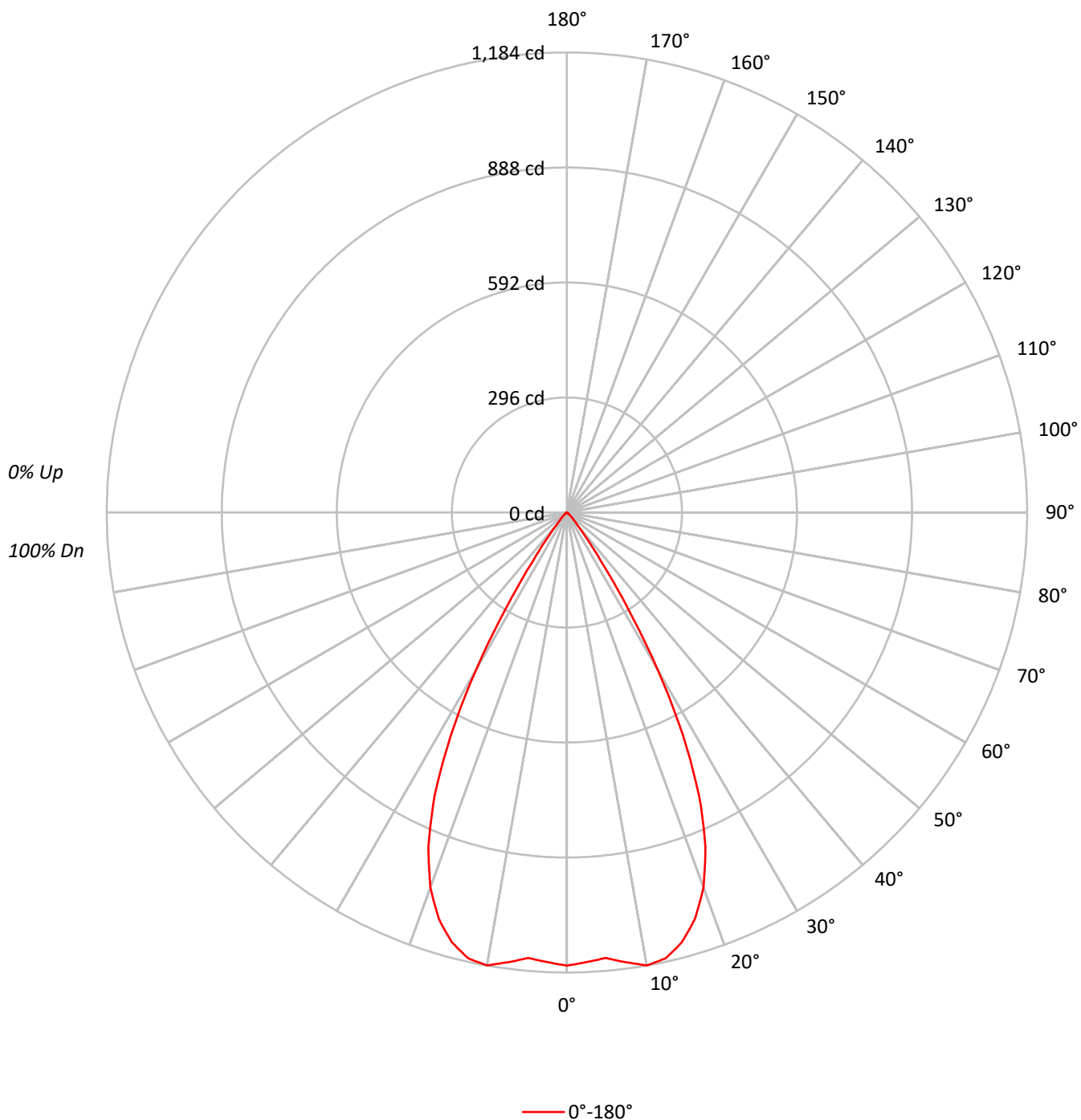
Lumens per Lamp: N/A
Luminaire Lumens: 922.1 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297870

CATALOG NUMBER: P3A13R55W2N902750DE010 E3CB1MB_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1297870

CATALOG NUMBER: P3A13R55W2N902750DE010 E3CB1MB_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	107	112	109	107	105	105	104	102		101	100	99		98	97	96		94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90		89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90	87	85		84
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		85	83	80		79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76		74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78	74	72		70
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74	70	68		66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64		63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68	64	61		60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255725
5°	253334
10°	263522
15°	259865
20°	239631
25°	194987
30°	118423
35°	40984
40°	11708
45°	5582
50°	2354
55°	1070
60°	1228
65°	1090
70°	898
75°	1186
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5582 cd/sqm

TEST NUMBER: P1297870

CATALOG NUMBER: P3A13R55W2N902750DE010 E3CB1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	12.1
10°-20°	318.1	34.5
20°-30°	354.7	38.5
30°-40°	116.0	12.6
40°-50°	15.3	1.7
50°-60°	3.3	0.4
60°-70°	1.9	0.2
70°-80°	1.2	0.1
80°-90°	0.3	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°	784.1	85.0
0°-40°	900.1	97.6
0°-60°	918.7	99.6
0°-90°	922.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	922.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1166	
5°	1151	111
15°	1145	318
25°	806	355
35°	153	116
45°	18	15
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1297870

CATALOG NUMBER: P3A13R55W2N902750DE010 E3CB1MB_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1166.2
2.5°	1157.9
5°	1150.9
7.5°	1167.6
10°	1183.5
12.5°	1175.2
15°	1144.7
17.5°	1096.2
20°	1026.9
22.5°	931.3
25°	805.9
27.5°	646.5
30°	467.7
32.5°	286.9
35°	153.1
37.5°	77.6
40°	40.9
42.5°	26.3
45°	18.0
47.5°	12.5
50°	6.9
52.5°	4.2
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)