

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: P1297942

Luminaire Tested: P3A13R55W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R55W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

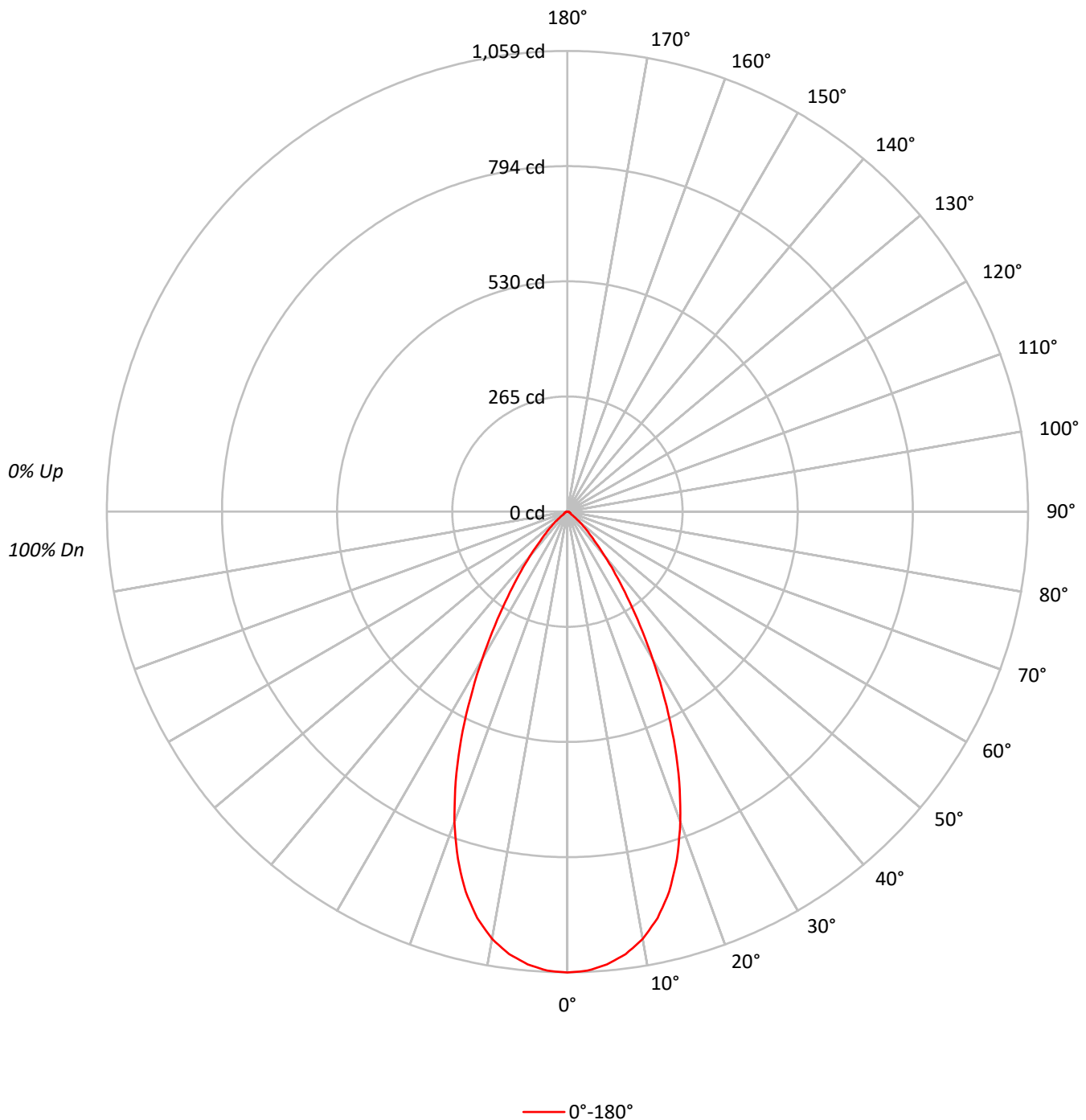
Lumens per Lamp: N/A
Luminaire Lumens: 846.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297942

CATALOG NUMBER: P3A13R55W2N902750DE010 E3DL1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1297942

CATALOG NUMBER: P3A13R55W2N902750DE010 E3DL1MW_3500K

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78	75	72	70
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63	59	56	55
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	232306
5°	229958
10°	222062
15°	205268
20°	177115
25°	139895
30°	99230
35°	63978
40°	38443
45°	21677
50°	11633
55°	4167
60°	3728
65°	3632
70°	3462
75°	3304
80°	2904
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21677 cd/sqm

TEST NUMBER: P1297942

CATALOG NUMBER: P3A13R55W2N902750DE010 E3DL1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	11.6
10°-20°	250.0	29.6
20°-30°	262.0	31.0
30°-40°	152.9	18.1
40°-50°	57.2	6.8
50°-60°	13.5	1.6
60°-70°	6.9	0.8
70°-80°	4.1	0.5
80°-90°	1.2	0.1
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°	610.3	72.1
0°-40°	763.1	90.2
0°-60°	833.8	98.6
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1059	
5°	1045	98
15°	904	250
25°	578	262
35°	239	153
45°	70	57
55°	11	13
65°	7	7
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1297942

CATALOG NUMBER: P3A13R55W2N902750DE010 E3DL1MW_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1059.4
2.5°	1056.3
5°	1044.7
7.5°	1026.0
10°	997.3
12.5°	957.0
15°	904.2
17.5°	837.4
20°	759.0
22.5°	671.3
25°	578.2
27.5°	482.7
30°	391.9
32.5°	309.7
35°	239.0
37.5°	181.6
40°	134.3
42.5°	96.2
45°	69.9
47.5°	50.4
50°	34.1
52.5°	19.4
55°	10.9
57.5°	9.3
60°	8.5
62.5°	7.8
65°	7.0
67.5°	6.2
70°	5.4
72.5°	4.7
75°	3.9
77.5°	3.1
80°	2.3
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)