

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: P1297944

Luminaire Tested: P3A13R55W2N902750DE010 E3DL1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297944
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

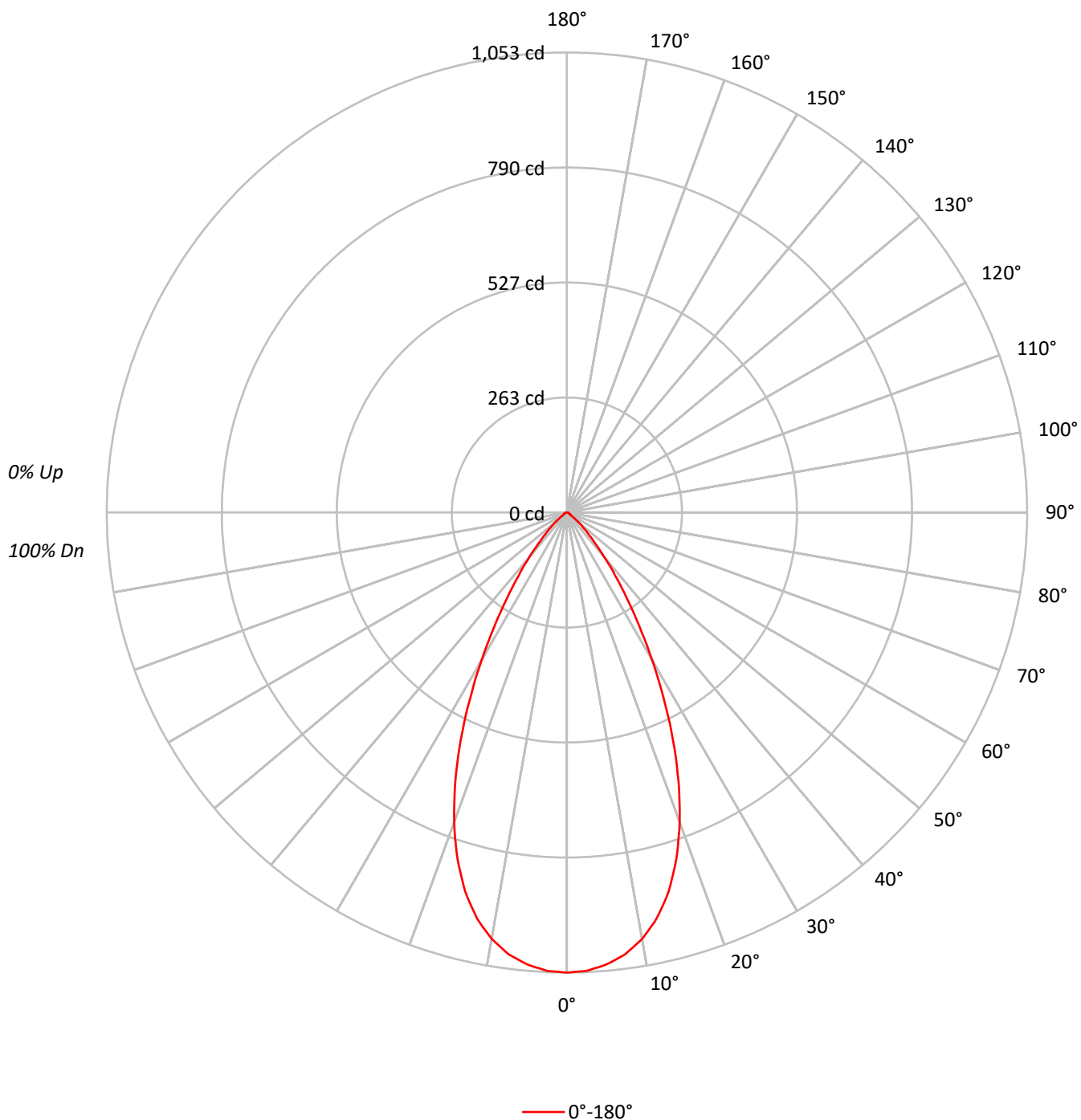
Lumens per Lamp: N/A
Luminaire Lumens: 841.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297944

CATALOG NUMBER: P3A13R55W2N902750DE010 E3DL1MW_5000K

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	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°	230924
5°	228593
10°	220749
15°	204042
20°	176089
25°	139073
30°	98648
35°	63604
40°	38214
45°	21522
50°	11565
55°	4129
60°	3728
65°	3580
70°	3462
75°	3304
80°	2904
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	11.6
10°-20°	248.6	29.6
20°-30°	260.5	31.0
30°-40°	151.9	18.1
40°-50°	56.9	6.8
50°-60°	13.4	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°	606.7	72.1
0°-40°	758.6	90.2
0°-60°	828.9	98.6
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1053	
5°	1038	98
15°	899	249
25°	575	260
35°	238	152
45°	69	57
55°	11	13
65°	7	7
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1053.1
2.5°	1050.0
5°	1038.5
7.5°	1020.0
10°	991.4
12.5°	951.3
15°	898.8
17.5°	832.5
20°	754.6
22.5°	667.4
25°	574.8
27.5°	479.9
30°	389.6
32.5°	307.8
35°	237.6
37.5°	180.5
40°	133.5
42.5°	95.7
45°	69.4
47.5°	50.1
50°	33.9
52.5°	19.3
55°	10.8
57.5°	9.3
60°	8.5
62.5°	7.7
65°	6.9
67.5°	6.2
70°	5.4
72.5°	4.6
75°	3.9
77.5°	3.1
80°	2.3
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)