

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: P1297953

Luminaire Tested: P3AS13R55W2N902750DE010 E3DL1WMH\_4000K

Issue Date: 1/30/2026

**Test Information**

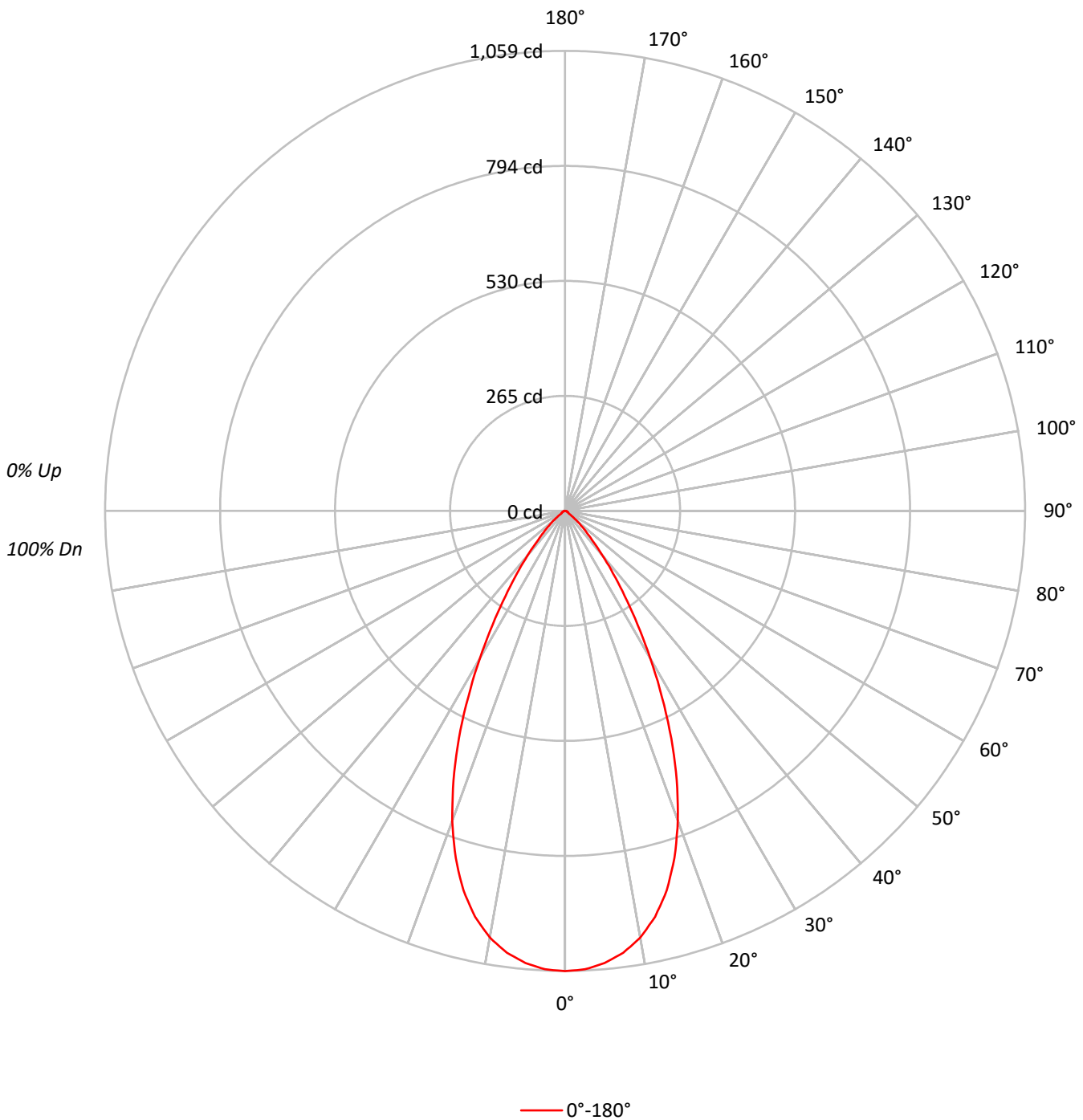
Test Method: LM-79-2019  
Report Number: P1297953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/30/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R55W2N902750DE010 E3DL1WMH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,  
E3DL1WMH 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

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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		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



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**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	



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**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)