

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: P1297949

Luminaire Tested: P3A13R55W2N902750DE010 E3DL1WH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R55W2N902750DE010 E3DL1WH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

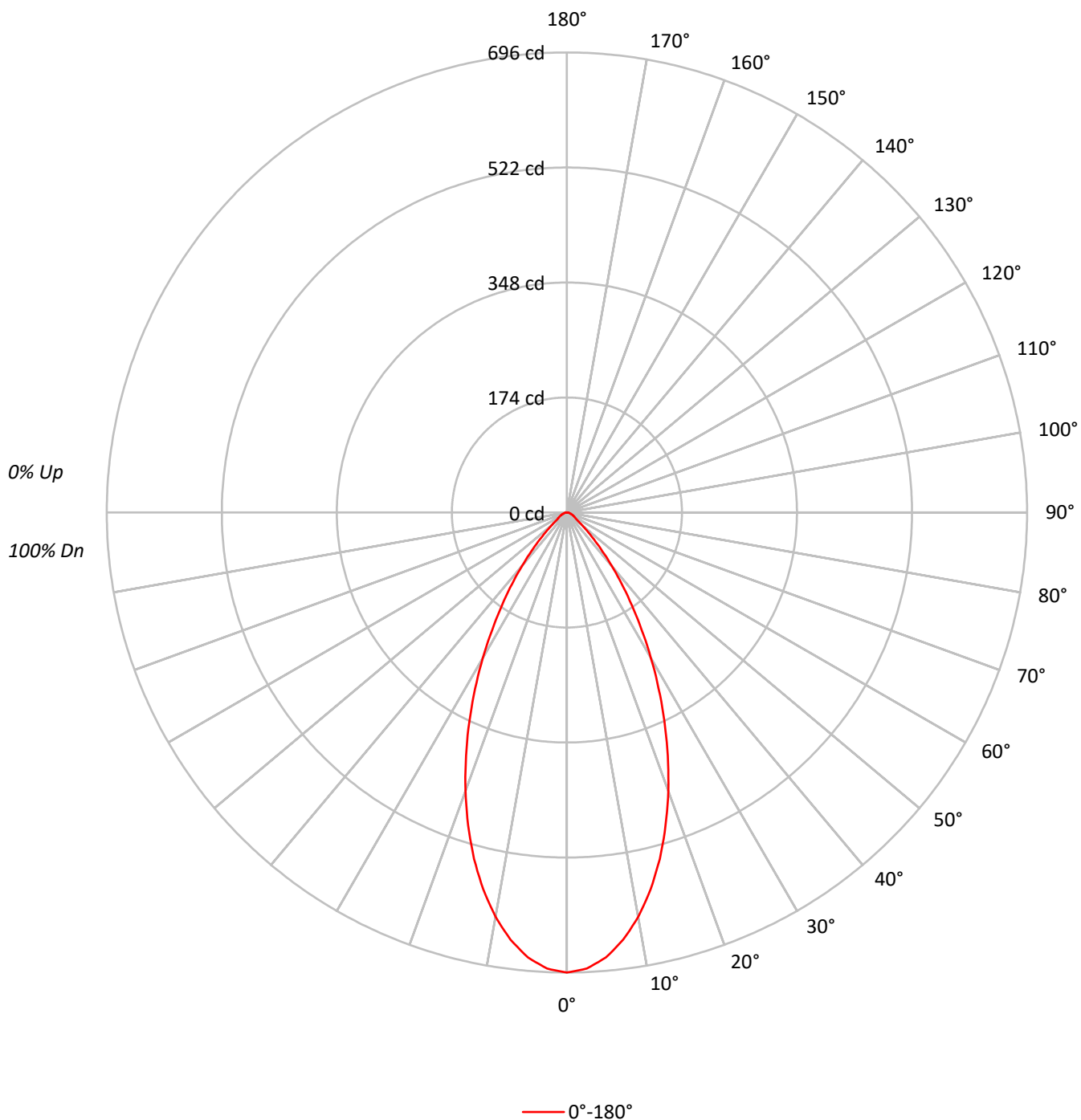
Lumens per Lamp: N/A
Luminaire Lumens: 561.0 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	110	107	105	110	108	105	103	104	102	100		100	98	97		97	95	94		92
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80		79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80	77	74		73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69		67
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72	68	64		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68	63	60		59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56		55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53		52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152619
5°	148778
10°	138319
15°	123179
20°	104682
25°	84465
30°	64390
35°	45802
40°	30228
45°	17924
50°	10507
55°	6499
60°	5745
65°	5189
70°	4424
75°	3897
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	11.2
10°-20°	150.4	26.8
20°-30°	159.3	28.4
30°-40°	107.6	19.2
40°-50°	47.2	8.4
50°-60°	16.9	3.0
60°-70°	9.9	1.8
70°-80°	5.2	0.9
80°-90°	1.7	0.3
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°	372.5	66.4
0°-40°	480.1	85.6
0°-60°	544.2	97.0
0°-90°	561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	696	
5°	676	63
15°	543	150
25°	349	159
35°	171	108
45°	58	47
55°	17	17
65°	10	10
75°	5	5
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	696.0
2.5°	690.6
5°	675.9
7.5°	652.0
10°	621.2
12.5°	584.2
15°	542.6
17.5°	496.3
20°	448.6
22.5°	398.5
25°	349.1
27.5°	300.6
30°	254.3
32.5°	210.4
35°	171.1
37.5°	135.6
40°	105.6
42.5°	79.4
45°	57.8
47.5°	42.4
50°	30.8
52.5°	21.6
55°	17.0
57.5°	15.4
60°	13.1
62.5°	11.6
65°	10.0
67.5°	8.5
70°	6.9
72.5°	6.2
75°	4.6
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)