

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: P1295977

Luminaire Tested: P3A13R25W2N902750DE010 E3D1H_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902750DE010 E3D1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

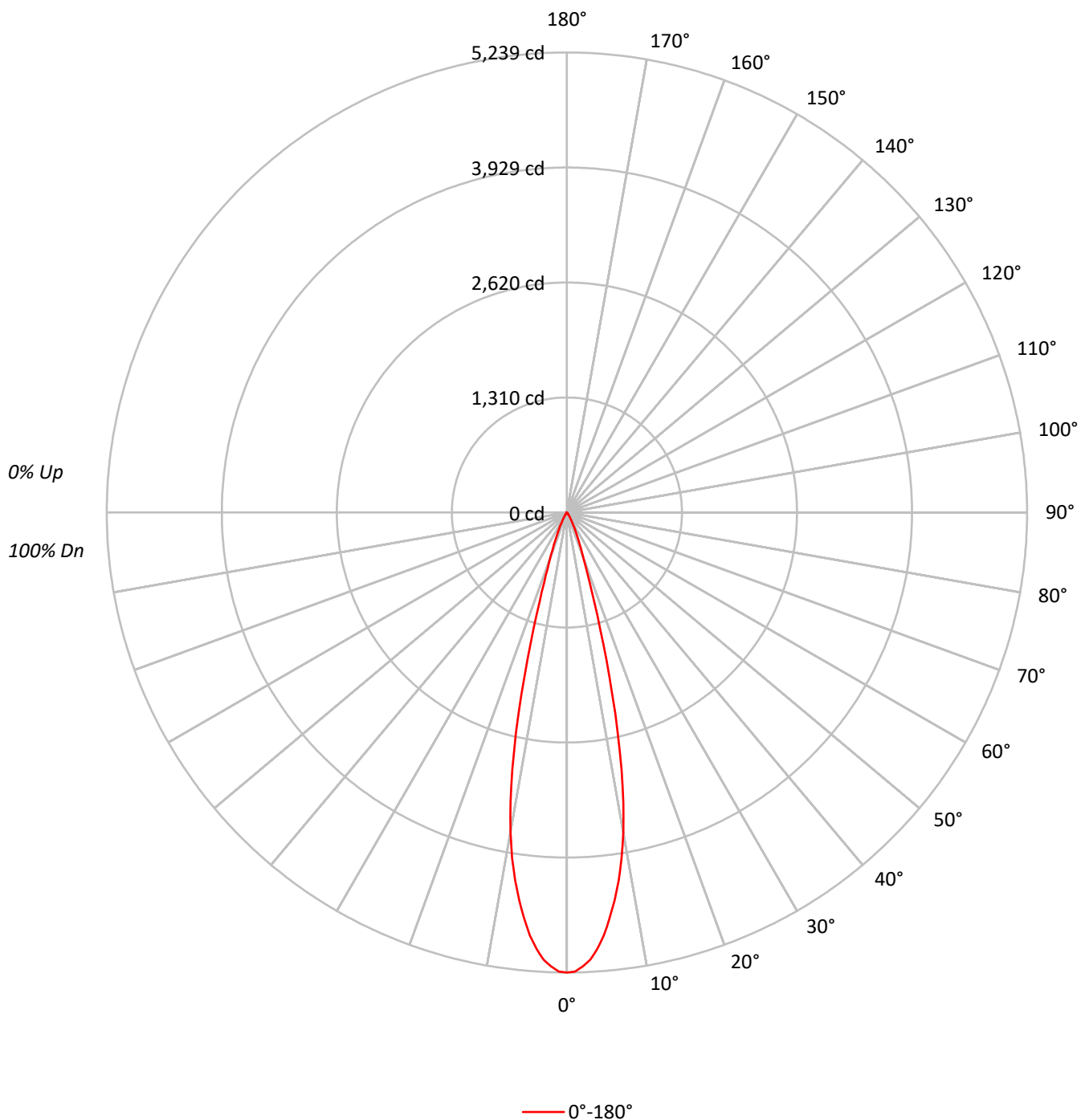
Lumens per Lamp: N/A
Luminaire Lumens: 1049.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97		
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94		
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92		
4	106	101	97	94	104	100	96	94	98	95	92	96	93	91	94	92	90	89		
5	103	97	93	91	101	96	93	90	95	92	90	93	91	89	92	90	88	87		
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85		
7	98	92	88	85	97	91	87	85	90	87	84	89	86	84	88	86	84	83		
8	95	89	85	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81		
9	93	87	83	81	92	86	83	80	86	83	80	85	82	80	84	82	80	79		
10	91	85	81	79	90	84	81	79	84	81	78	83	80	78	83	80	78	77		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1148855
5°	1064250
10°	823409
15°	393283
20°	129675
25°	54656
30°	21193
35°	9155
40°	3034
45°	1427
50°	512
55°	306
60°	175
65°	208
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.0	40.5
10°-20°	483.4	46.1
20°-30°	112.3	10.7
30°-40°	23.6	2.2
40°-50°	3.8	0.4
50°-60°	0.7	0.1
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1020.7	97.3
0°-40°	1044.2	99.5
0°-60°	1048.7	100.0
0°-90°	1049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5239	
5°	4835	425
15°	1732	483
25°	226	112
35°	34	24
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5239.2
1°	5228.5
2°	5174.1
3°	5097.7
4°	4980.9
5°	4834.9
6°	4647.4
7°	4451.1
8°	4230.9
9°	3982.5
10°	3698.0
11°	3368.3
12°	2989.9
13°	2575.3
14°	2141.7
15°	1732.4
16°	1370.4
17°	1067.6
18°	839.8
19°	671.7
20°	555.7
21°	464.4
22°	389.8
23°	325.6
24°	272.3
25°	225.9
27.5°	133.9
30°	83.7
32.5°	53.6
35°	34.2
37.5°	20.5
40°	10.6
42.5°	6.8
45°	4.6
47.5°	2.7
50°	1.5
52.5°	0.8
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)