

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: P1298398

Luminaire Tested: P3A13R60W2N902765DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R60W2N902765DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

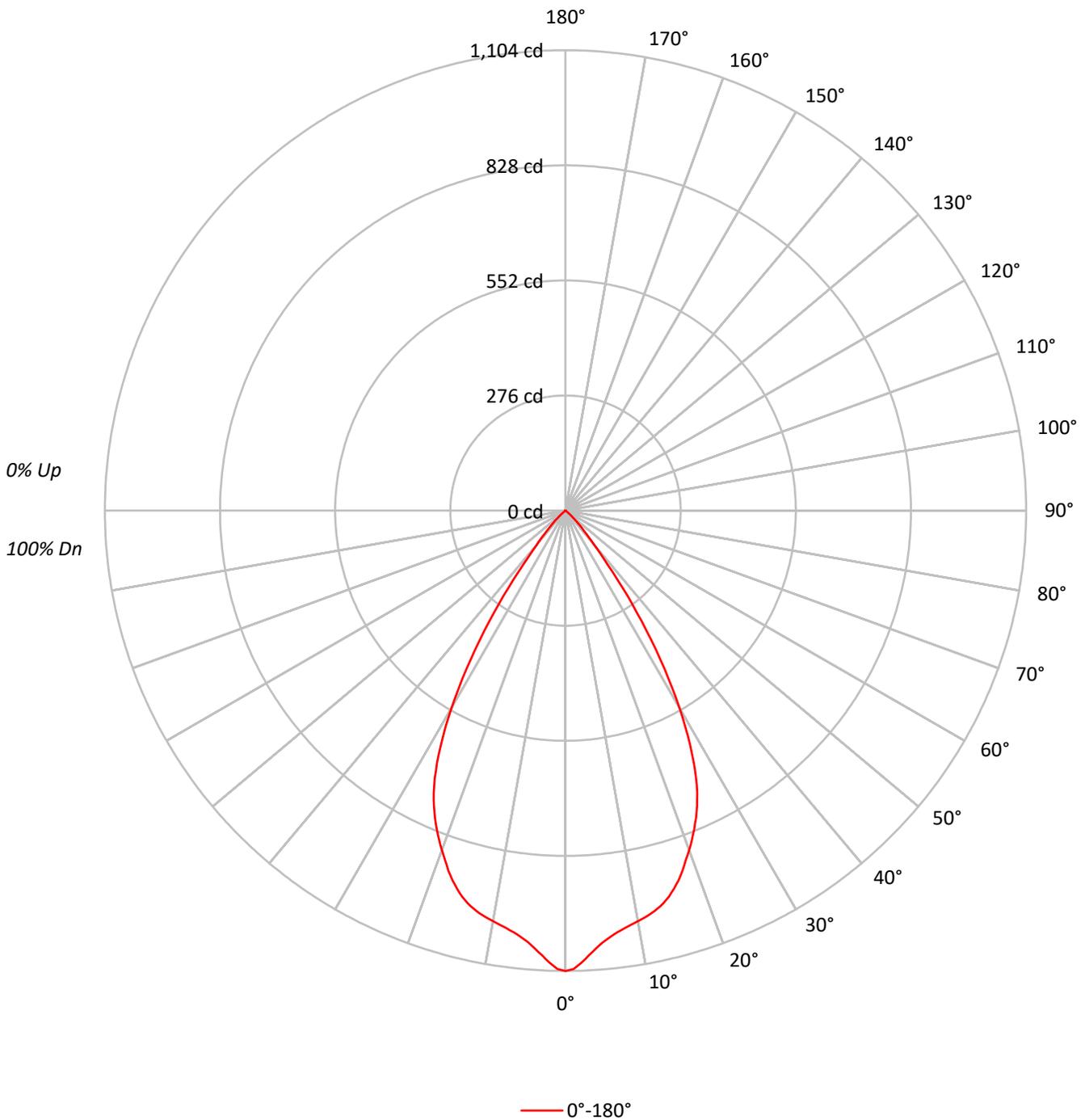
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 924.1 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88				88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82				82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77				77
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72				72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	71	69	67				67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63				63
8	81	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59				59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56				56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53				53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242108
5°	228549
10°	222597
15°	217527
20°	202248
25°	180809
30°	138097
35°	79719
40°	30944
45°	12901
50°	2831
55°	421
60°	351
65°	208
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	10.6
10°-20°	266.9	28.9
20°-30°	334.3	36.2
30°-40°	186.9	20.2
40°-50°	35.5	3.8
50°-60°	1.8	0.2
60°-70°	0.4	0.0
70°-80°	0.2	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°	699.2	75.7
0°-40°	886.1	95.9
0°-60°	923.5	99.9
0°-90°	924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1104	
5°	1038	98
15°	958	267
25°	747	334
35°	298	187
45°	42	36
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1104.1
1°	1099.5
2°	1085.2
3°	1068.2
4°	1052.3
5°	1038.3
6°	1027.7
7°	1018.6
8°	1011.8
9°	1005.4
10°	999.7
11°	994.1
12°	987.7
13°	979.7
14°	970.3
15°	958.2
16°	943.4
17°	926.8
18°	907.9
19°	886.4
20°	866.7
21°	845.5
22°	823.6
23°	800.6
24°	775.2
25°	747.3
26°	714.4
27°	677.7
28°	636.5
29°	592.7
30°	545.4
31°	497.8
32°	448.7
32.5°	421.8
33°	397.6
34°	347.4
35°	297.8
36°	253.2
37°	206.0
37.5°	184.5
38°	163.3
39°	131.5
40°	108.1
42.5°	65.8
45°	41.6



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	23.1
50°	8.3
52.5°	1.9
55°	1.1
57.5°	0.8
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
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)