

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: P1298242

Luminaire Tested: P3A13R60W2N902750DE010 E3D1WMH_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298242
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: P3A13R60W2N902750DE010 E3D1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

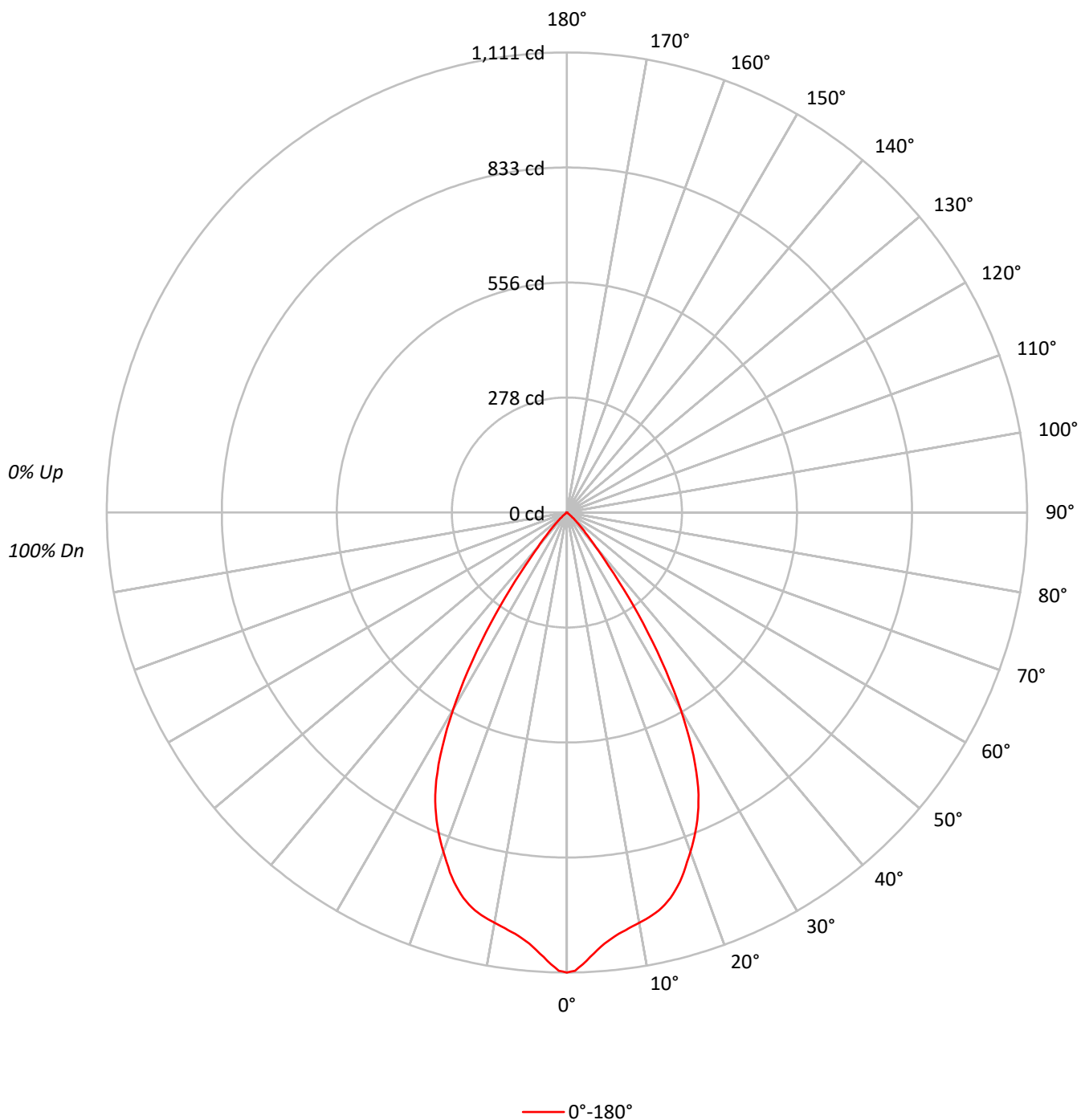
Lumens per Lamp: N/A
Luminaire Lumens: 930.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89		88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84		82
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84	81	78		77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73		72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	71	69		67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64		63
8	81	71	65	61	79	71	65	61	70	65	61		69	64	61		68	64	61		59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57		56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243665
5°	230024
10°	224044
15°	218934
20°	203554
25°	181970
30°	139009
35°	80254
40°	31144
45°	12963
50°	2866
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: 12963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	10.6
10°-20°	268.6	28.9
20°-30°	336.5	36.2
30°-40°	188.1	20.2
40°-50°	35.7	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°	703.8	75.7
0°-40°	891.8	95.9
0°-60°	929.4	99.9
0°-90°	930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1111	
5°	1045	99
15°	964	269
25°	752	336
35°	300	188
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°	1111.2
1°	1106.7
2°	1092.2
3°	1075.1
4°	1059.1
5°	1045.0
6°	1034.4
7°	1025.3
8°	1018.4
9°	1011.9
10°	1006.2
11°	1000.5
12°	994.1
13°	986.1
14°	976.6
15°	964.4
16°	949.6
17°	932.8
18°	913.8
19°	892.1
20°	872.3
21°	851.0
22°	829.0
23°	805.8
24°	780.3
25°	752.1
26°	719.0
27°	682.1
28°	640.6
29°	596.5
30°	549.0
31°	501.0
32°	451.6
32.5°	424.6
33°	400.2
34°	349.6
35°	299.8
36°	254.9
37°	207.3
37.5°	185.7
38°	164.3
39°	132.4
40°	108.8
42.5°	66.2
45°	41.8



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	23.2
50°	8.4
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)