

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: P1296451

Luminaire Tested: P3A13R30W2N902750DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3PHLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

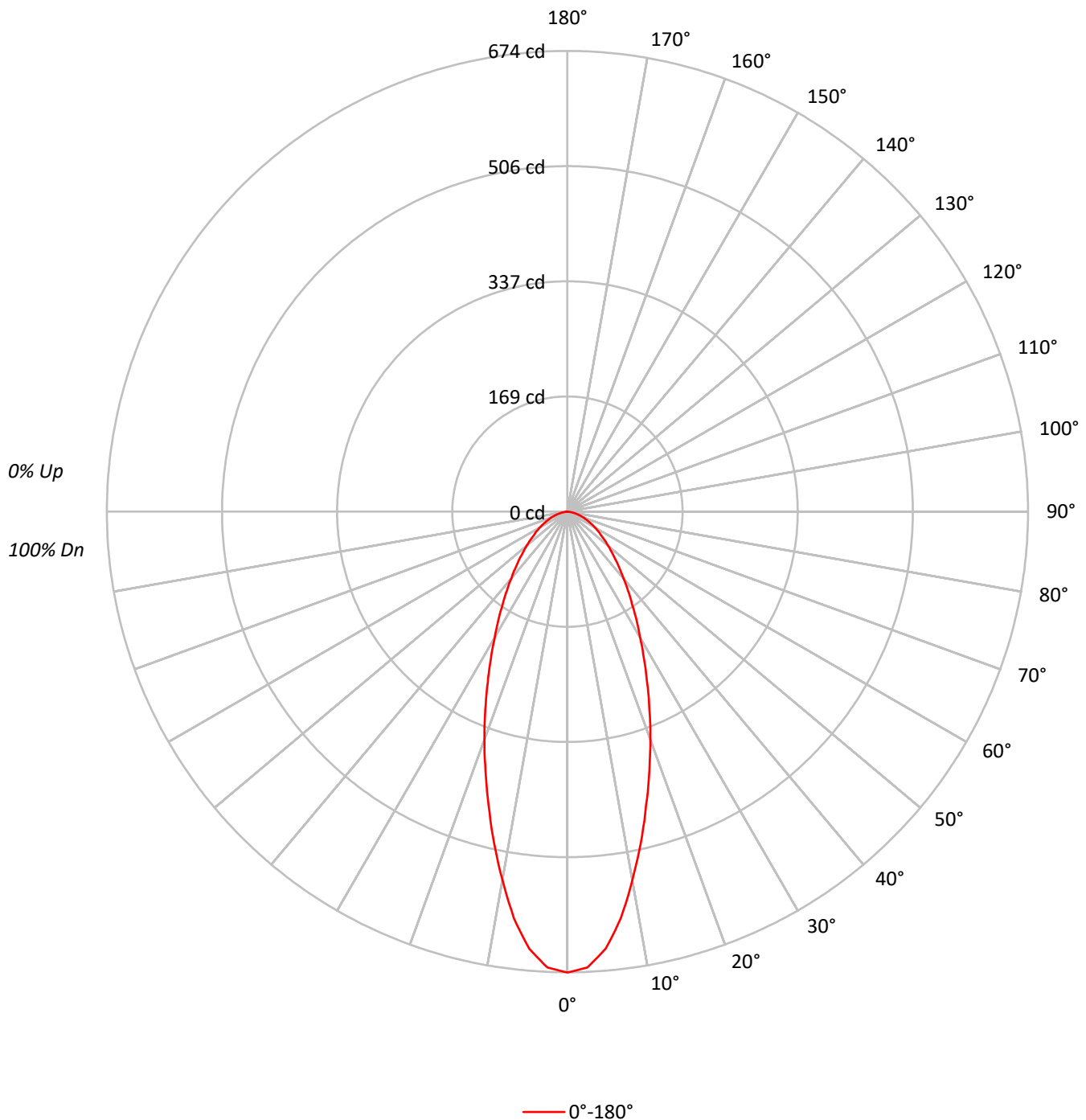
Lumens per Lamp: N/A
Luminaire Lumens: 600.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48		57	52	48		56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45		54	49	45		53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147839
5°	141316
10°	121886
15°	101022
20°	82817
25°	66754
30°	53806
35°	44089
40°	36640
45°	31042
50°	26575
55°	22976
60°	20481
65°	17901
70°	15708
75°	13217
80°	9850
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	9.7
10°-20°	124.1	20.7
20°-30°	127.2	21.2
30°-40°	104.0	17.3
40°-50°	77.8	13.0
50°-60°	54.6	9.1
60°-70°	34.4	5.7
70°-80°	16.6	2.8
80°-90°	3.2	0.5
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°	309.5	51.6
0°-40°	413.5	68.9
0°-60°	545.9	91.0
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	642	58
15°	445	124
25°	276	127
35°	165	104
45°	100	78
55°	60	55
65°	34	34
75°	16	17
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	674.2
2.5°	667.6
5°	642.0
7.5°	599.7
10°	547.4
12.5°	496.2
15°	445.0
17.5°	398.3
20°	354.9
22.5°	313.8
25°	275.9
27.5°	242.5
30°	212.5
32.5°	188.0
35°	164.7
37.5°	145.8
40°	128.0
42.5°	113.5
45°	100.1
47.5°	87.9
50°	77.9
52.5°	69.0
55°	60.1
57.5°	53.4
60°	46.7
62.5°	40.1
65°	34.5
67.5°	28.9
70°	24.5
72.5°	20.0
75°	15.6
77.5°	11.1
80°	7.8
82.5°	4.5
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)