

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: P1297350

Luminaire Tested: P3A13R45W2N902750DE010 E3DLD1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R45W2N902750DE010 E3DLD1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

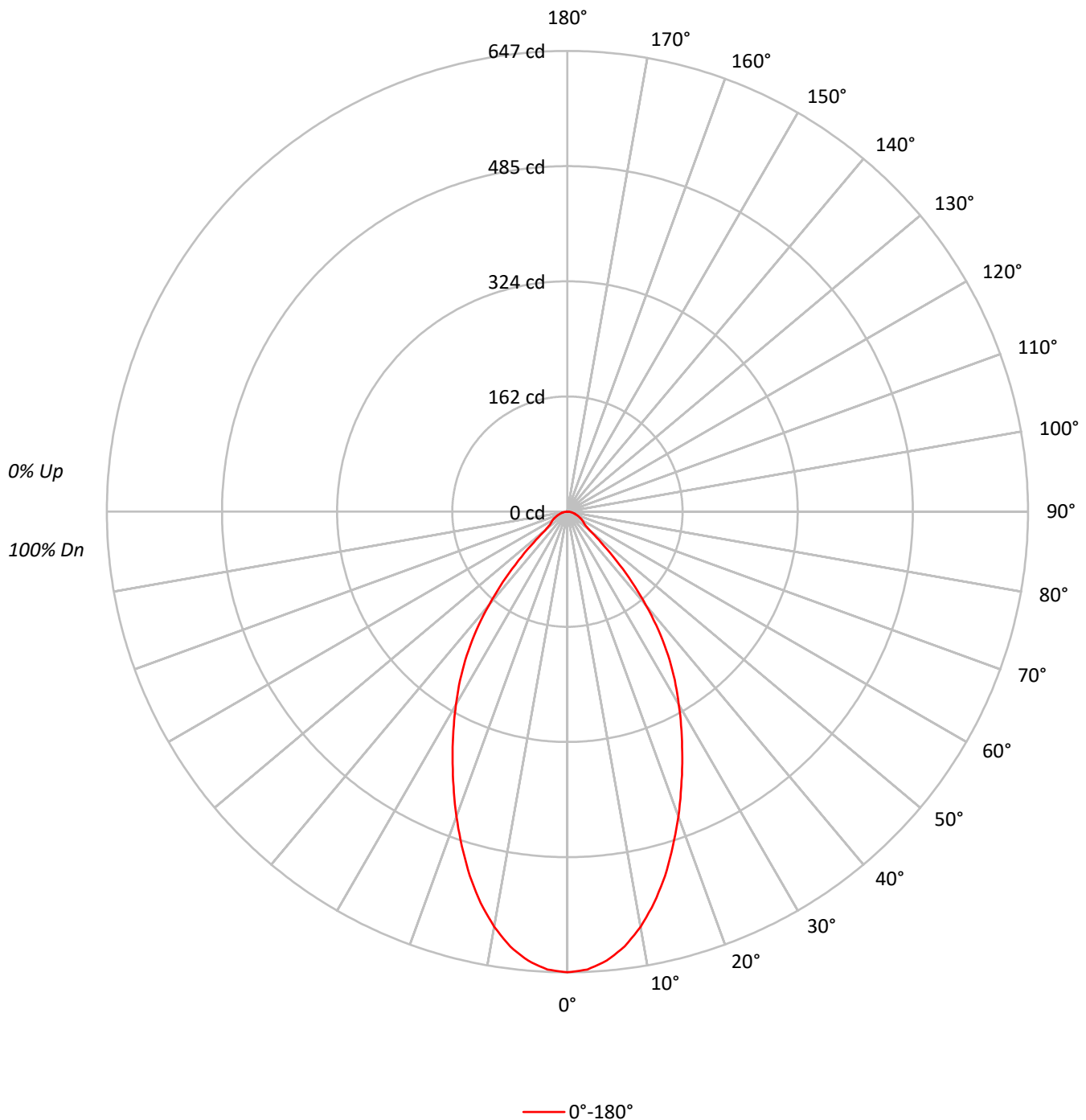
Lumens per Lamp: N/A
Luminaire Lumens: 669.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83	80	77	75
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72	68	65	63
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53	48	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141853
5°	139335
10°	131839
15°	120250
20°	106339
25°	92328
30°	79253
35°	66040
40°	49206
45°	30112
50°	13953
55°	10896
60°	10482
65°	9599
70°	8912
75°	8472
80°	7829
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	8.8
10°-20°	147.5	22.0
20°-30°	175.2	26.2
30°-40°	152.2	22.8
40°-50°	76.3	11.4
50°-60°	26.5	4.0
60°-70°	18.6	2.8
70°-80°	10.4	1.6
80°-90°	3.1	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°	381.8	57.1
0°-40°	534.0	79.8
0°-60°	636.9	95.2
0°-90°	669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	647	
5°	633	59
15°	530	147
25°	382	175
35°	247	152
45°	97	76
55°	28	26
65°	18	19
75°	10	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	646.9
2.5°	643.8
5°	633.0
7.5°	616.0
10°	592.1
12.5°	562.8
15°	529.7
17.5°	492.7
20°	455.7
22.5°	417.9
25°	381.6
27.5°	346.9
30°	313.0
32.5°	280.6
35°	246.7
37.5°	210.5
40°	171.9
42.5°	134.2
45°	97.1
47.5°	64.0
50°	40.9
52.5°	31.6
55°	28.5
57.5°	26.2
60°	23.9
62.5°	21.6
65°	18.5
67.5°	16.2
70°	13.9
72.5°	11.6
75°	10.0
77.5°	7.7
80°	6.2
82.5°	4.6
85°	2.3
87.5°	1.5
90°	0.0

(END OF REPORT)