

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: P1297636

Luminaire Tested: P3A13R50W2N902750DE010 E3DLD1GPH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902750DE010 E3DLD1GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

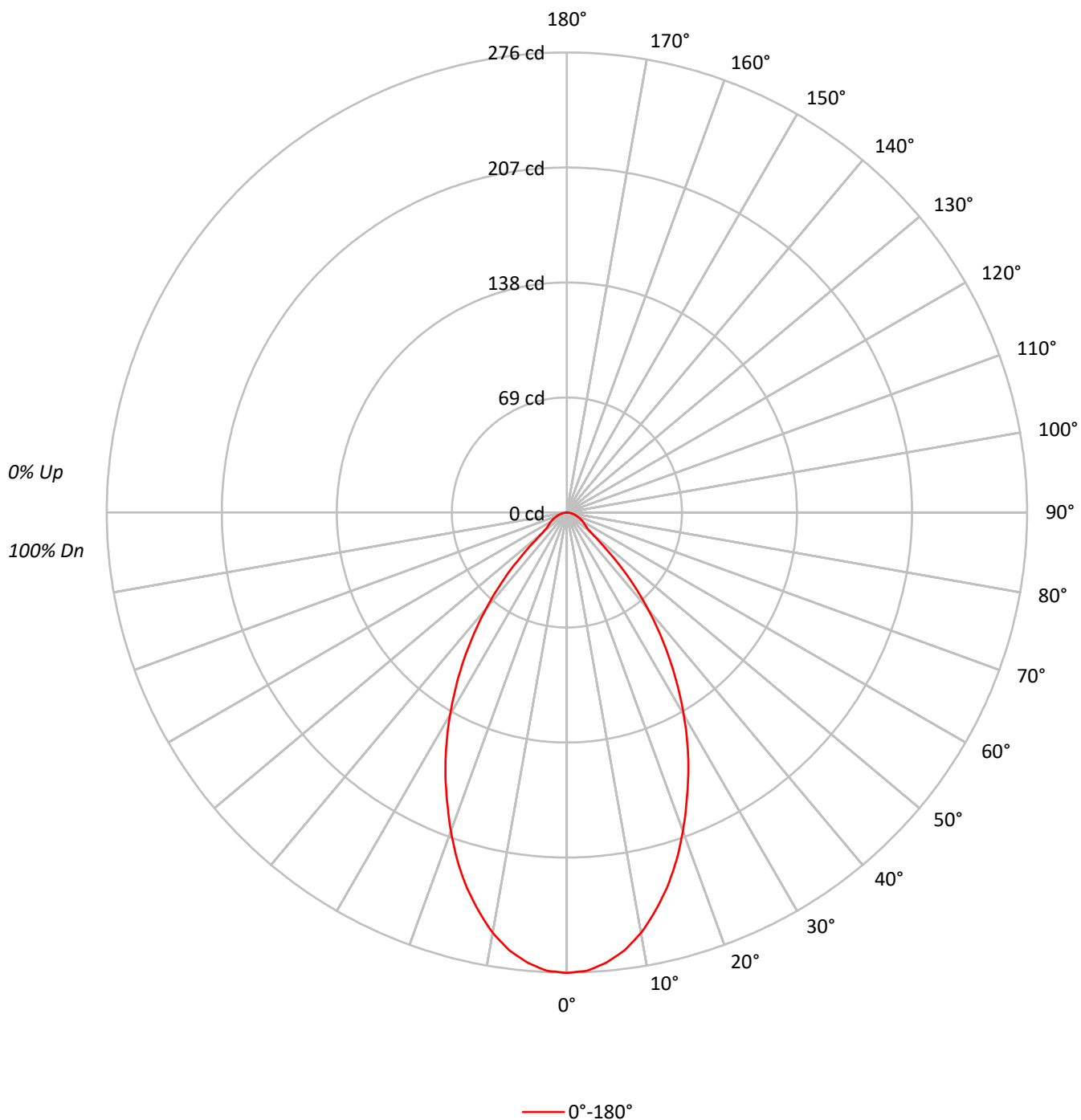
Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 24.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95	94	93		91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84		83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77		75
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77	73	70		69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64		63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59		58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55		53
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59	55	51		50
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56	51	48		46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60565
5°	59674
10°	57024
15°	52804
20°	47464
25°	41712
30°	35474
35°	28777
40°	21612
45°	13924
50°	6618
55°	5199
60°	4912
65°	4566
70°	4167
75°	3728
80°	3410
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	8.5
10°-20°	64.9	21.8
20°-30°	78.8	26.4
30°-40°	66.8	22.4
40°-50°	34.7	11.6
50°-60°	12.5	4.2
60°-70°	8.7	2.9
70°-80°	4.7	1.6
80°-90°	1.5	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°	169.1	56.7
0°-40°	235.9	79.2
0°-60°	283.1	95.0
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	276	
5°	271	25
15°	233	65
25°	172	79
35°	108	67
45°	45	35
55°	14	13
65°	9	9
75°	4	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	276.2
2.5°	275.2
5°	271.1
7.5°	264.9
10°	256.1
12.5°	244.9
15°	232.6
17.5°	218.7
20°	203.4
22.5°	187.7
25°	172.4
27.5°	156.5
30°	140.1
32.5°	123.8
35°	107.5
37.5°	91.5
40°	75.5
42.5°	60.2
45°	44.9
47.5°	29.9
50°	19.4
52.5°	15.0
55°	13.6
57.5°	12.2
60°	11.2
62.5°	9.9
65°	8.8
67.5°	7.5
70°	6.5
72.5°	5.4
75°	4.4
77.5°	3.4
80°	2.7
82.5°	2.0
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)