

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: P1298917

Luminaire Tested: P3A13R70W2N902750DE010 E3DLP1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3DLP1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

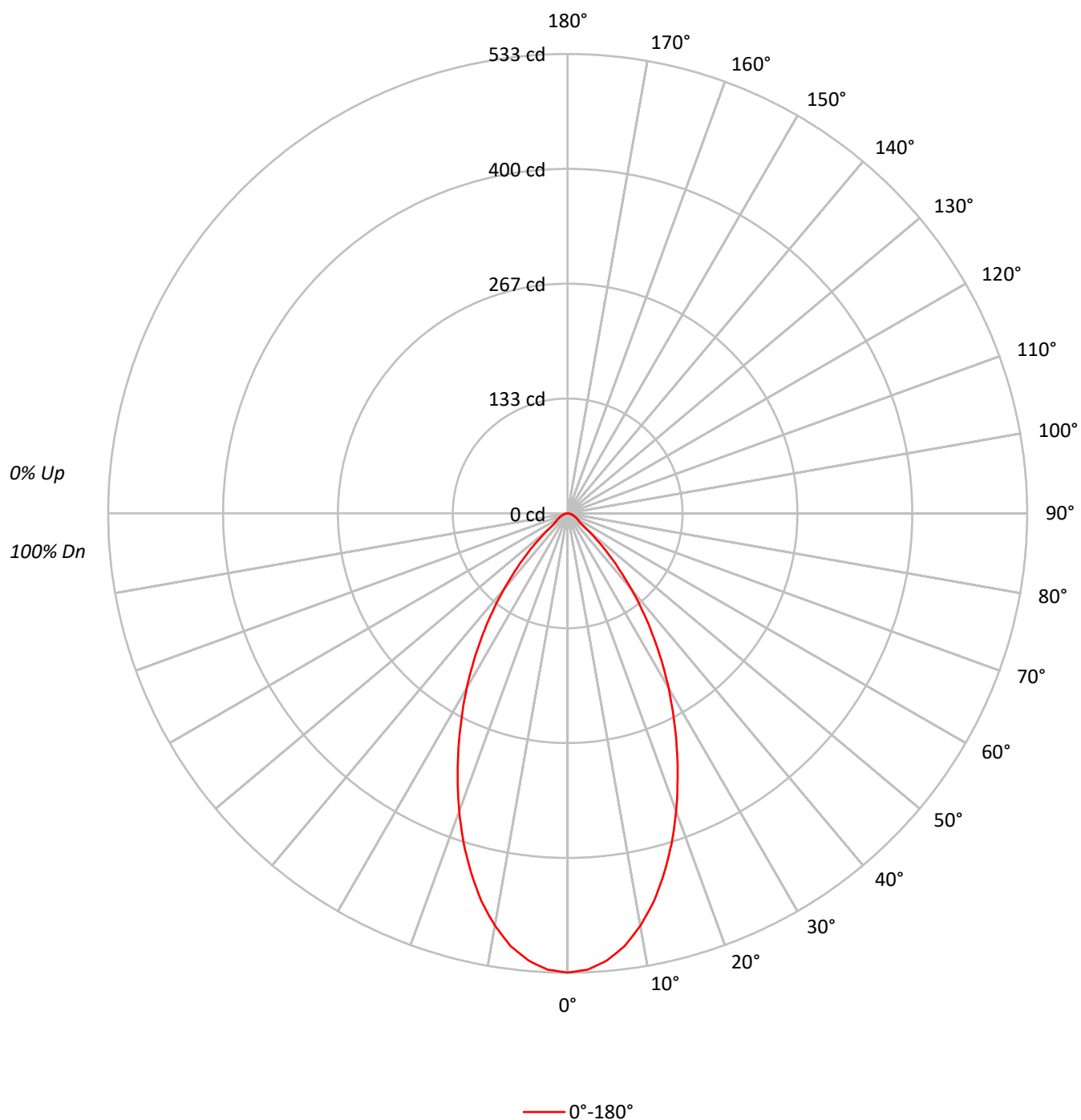
Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96	95	94		92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86		84
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84	81	79		77
4	95	86	80	76	93	85	80	75	83	78	74		81	77	73		79	76	73		71
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74	70	67		65
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70	65	62		61
7	80	70	64	59	79	69	63	59	68	62	58		67	62	58		66	61	58		56
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62	57	54		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	50		49
10	69	58	52	48	67	58	52	48	57	51	48		56	51	48		55	51	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116811
5°	114660
10°	108125
15°	98139
20°	85827
25°	72415
30°	59275
35°	45990
40°	32919
45°	20839
50°	10405
55°	6346
60°	5482
65°	5033
70°	4424
75°	4067
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	9.8
10°-20°	120.3	24.2
20°-30°	137.0	27.5
30°-40°	107.1	21.5
40°-50°	52.6	10.6
50°-60°	16.2	3.2
60°-70°	9.6	1.9
70°-80°	5.1	1.0
80°-90°	1.5	0.3
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°	305.9	61.4
0°-40°	413.0	82.9
0°-60°	481.8	96.7
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	533	
5°	521	49
15°	432	120
25°	299	137
35°	172	107
45°	67	53
55°	17	16
65°	10	10
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	532.7
2.5°	529.9
5°	520.9
7.5°	506.4
10°	485.6
12.5°	461.4
15°	432.3
17.5°	401.1
20°	367.8
22.5°	333.2
25°	299.3
27.5°	266.0
30°	234.1
32.5°	202.3
35°	171.8
37.5°	142.7
40°	115.0
42.5°	89.4
45°	67.2
47.5°	47.1
50°	30.5
52.5°	20.1
55°	16.6
57.5°	14.5
60°	12.5
62.5°	11.1
65°	9.7
67.5°	8.3
70°	6.9
72.5°	5.5
75°	4.8
77.5°	4.2
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)