

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: P1298939

Luminaire Tested: P3A13R70W2N902750DE010 E3DLP1WMH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298939
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 E3DLP1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

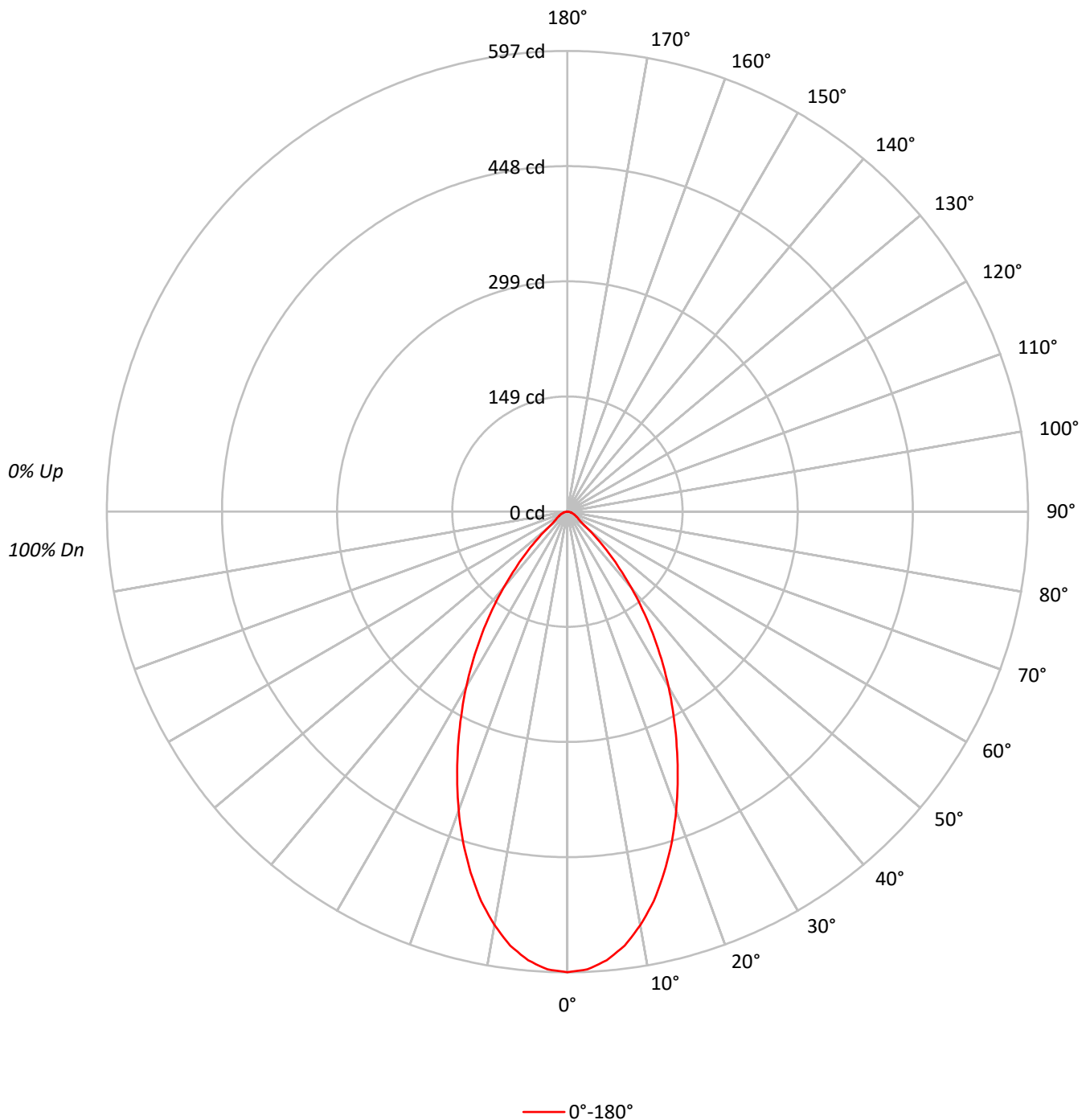
Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	130889
5°	128483
10°	121151
15°	109944
20°	96188
25°	81126
30°	66415
35°	51531
40°	36869
45°	23351
50°	11667
55°	7111
60°	6140
65°	5656
70°	5001
75°	4575
80°	3915
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	9.8
10°-20°	134.8	24.2
20°-30°	153.5	27.5
30°-40°	120.0	21.5
40°-50°	59.0	10.6
50°-60°	18.1	3.2
60°-70°	10.8	1.9
70°-80°	5.7	1.0
80°-90°	1.7	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°	342.7	61.4
0°-40°	462.7	82.9
0°-60°	539.8	96.7
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	597	
5°	584	54
15°	484	135
25°	335	153
35°	192	120
45°	75	59
55°	19	18
65°	11	11
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	596.9
2.5°	593.8
5°	583.7
7.5°	567.4
10°	544.1
12.5°	516.9
15°	484.3
17.5°	449.4
20°	412.2
22.5°	373.3
25°	335.3
27.5°	298.1
30°	262.3
32.5°	226.6
35°	192.5
37.5°	159.9
40°	128.8
42.5°	100.1
45°	75.3
47.5°	52.8
50°	34.2
52.5°	22.5
55°	18.6
57.5°	16.3
60°	14.0
62.5°	12.4
65°	10.9
67.5°	9.3
70°	7.8
72.5°	6.2
75°	5.4
77.5°	4.7
80°	3.1
82.5°	2.3
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)