

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: P1298911

Luminaire Tested: P3A13R70W2N902750DE010 E3DL1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1298911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R70W2N902750DE010 E3DL1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

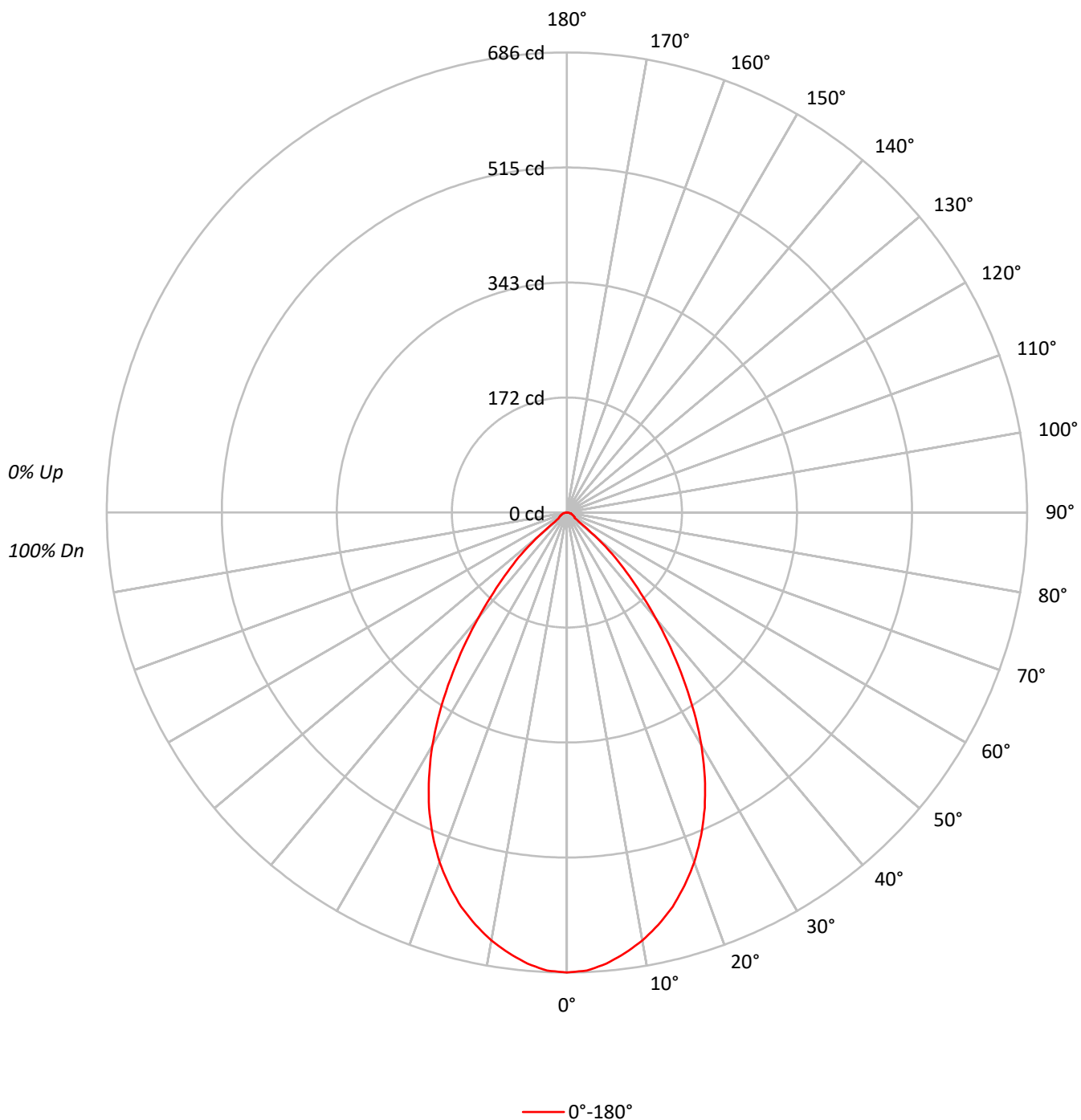
Lumens per Lamp: N/A
Luminaire Lumens: 776.9 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				0				0
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100											100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92											92
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84											84
3	100	93	88	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77											77
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70											70
5	89	80	73	69	87	79	73	68	77	72	68	75	71	67	74	70	66	65											65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60											60
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55											55
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51											51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48											48
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44											44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150427
5°	148624
10°	144330
15°	138207
20°	129465
25°	117612
30°	101585
35°	80977
40°	58968
45°	38764
50°	18149
55°	5620
60°	5394
65°	5189
70°	4937
75°	5253
80°	4925
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 38764 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	8.2
10°-20°	170.4	21.9
20°-30°	221.4	28.5
30°-40°	187.9	24.2
40°-50°	96.9	12.5
50°-60°	18.7	2.4
60°-70°	10.1	1.3
70°-80°	6.2	0.8
80°-90°	1.8	0.2
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°	455.4	58.6
0°-40°	643.3	82.8
0°-60°	758.8	97.7
0°-90°	776.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	686	
5°	675	64
15°	609	170
25°	486	221
35°	302	188
45°	125	97
55°	15	19
65°	10	10
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	686.0
2.5°	683.7
5°	675.2
7.5°	662.8
10°	648.2
12.5°	629.6
15°	608.8
17.5°	583.3
20°	554.8
22.5°	522.4
25°	486.1
27.5°	445.2
30°	401.2
32.5°	352.6
35°	302.5
37.5°	253.1
40°	206.0
42.5°	162.0
45°	125.0
47.5°	91.8
50°	53.2
52.5°	23.1
55°	14.7
57.5°	13.9
60°	12.3
62.5°	11.6
65°	10.0
67.5°	9.3
70°	7.7
72.5°	6.9
75°	6.2
77.5°	4.6
80°	3.9
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)