

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: P1290071

Luminaire Tested: P3A05R50W2N902750DE010 E3DLD1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290071
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: P3A05R50W2N902750DE010 E3DLD1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

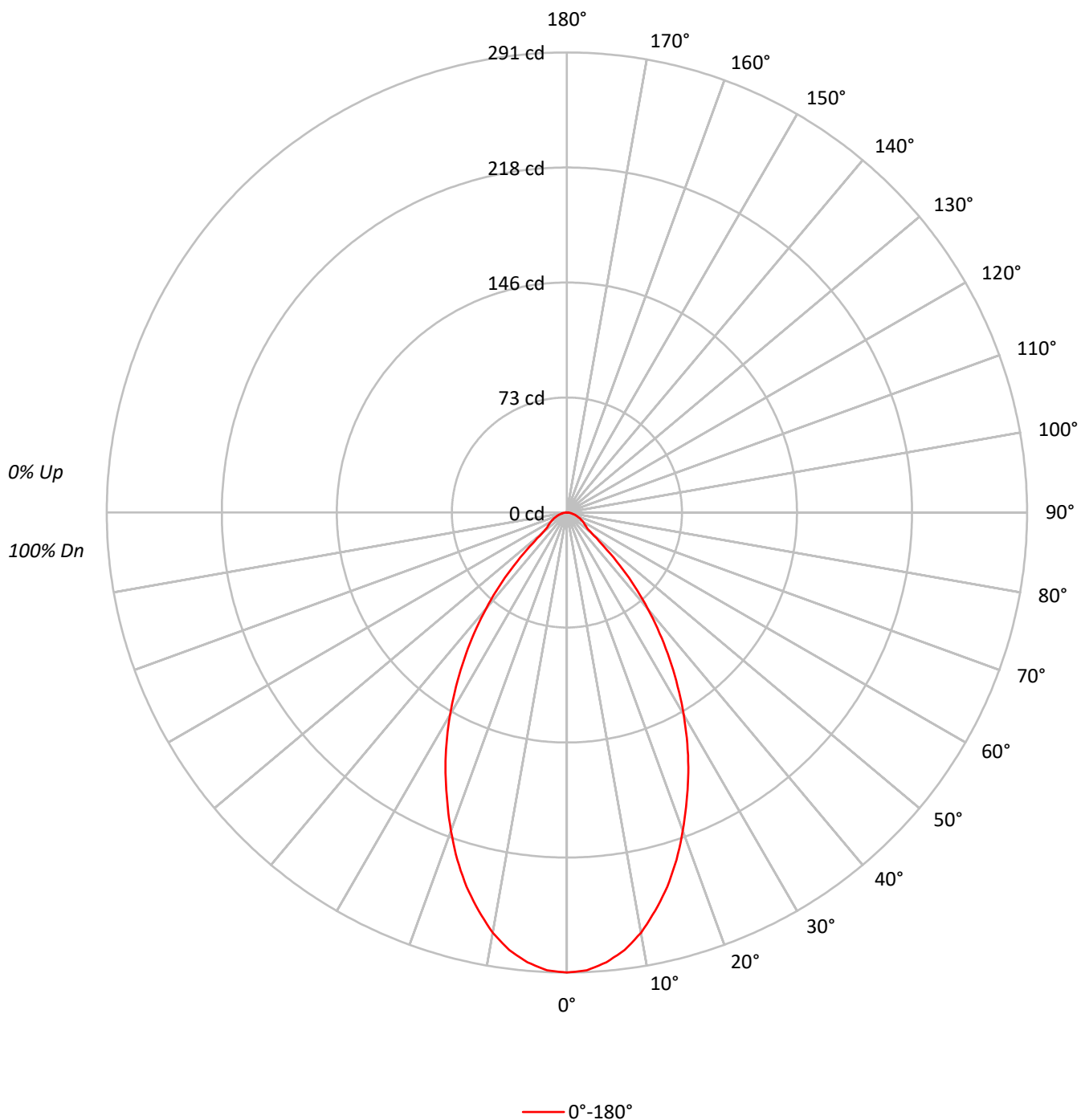
Lumens per Lamp: N/A
Luminaire Lumens: 314.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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

TEST NUMBER: P1290071

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1WMH_2700K

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	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°	63811
5°	62866
10°	60097
15°	55642
20°	50008
25°	43962
30°	37398
35°	30303
40°	22786
45°	14668
50°	6959
55°	5467
60°	5175
65°	4825
70°	4360
75°	3982
80°	3662
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14668 cd/sqm

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CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	8.5
10°-20°	68.3	21.8
20°-30°	83.0	26.4
30°-40°	70.4	22.4
40°-50°	36.6	11.6
50°-60°	13.2	4.2
60°-70°	9.1	2.9
70°-80°	5.0	1.6
80°-90°	1.6	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°	178.2	56.7
0°-40°	248.6	79.2
0°-60°	298.3	95.0
0°-90°	314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	314.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	291	
5°	286	27
15°	245	68
25°	182	83
35°	113	70
45°	47	37
55°	14	13
65°	9	9
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	291.0
2.5°	289.9
5°	285.6
7.5°	279.2
10°	269.9
12.5°	258.0
15°	245.1
17.5°	230.4
20°	214.3
22.5°	197.8
25°	181.7
27.5°	164.9
30°	147.7
32.5°	130.4
35°	113.2
37.5°	96.4
40°	79.6
42.5°	63.4
45°	47.3
47.5°	31.5
50°	20.4
52.5°	15.8
55°	14.3
57.5°	12.9
60°	11.8
62.5°	10.4
65°	9.3
67.5°	7.9
70°	6.8
72.5°	5.7
75°	4.7
77.5°	3.6
80°	2.9
82.5°	2.2
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)