

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: P1290041

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DL1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

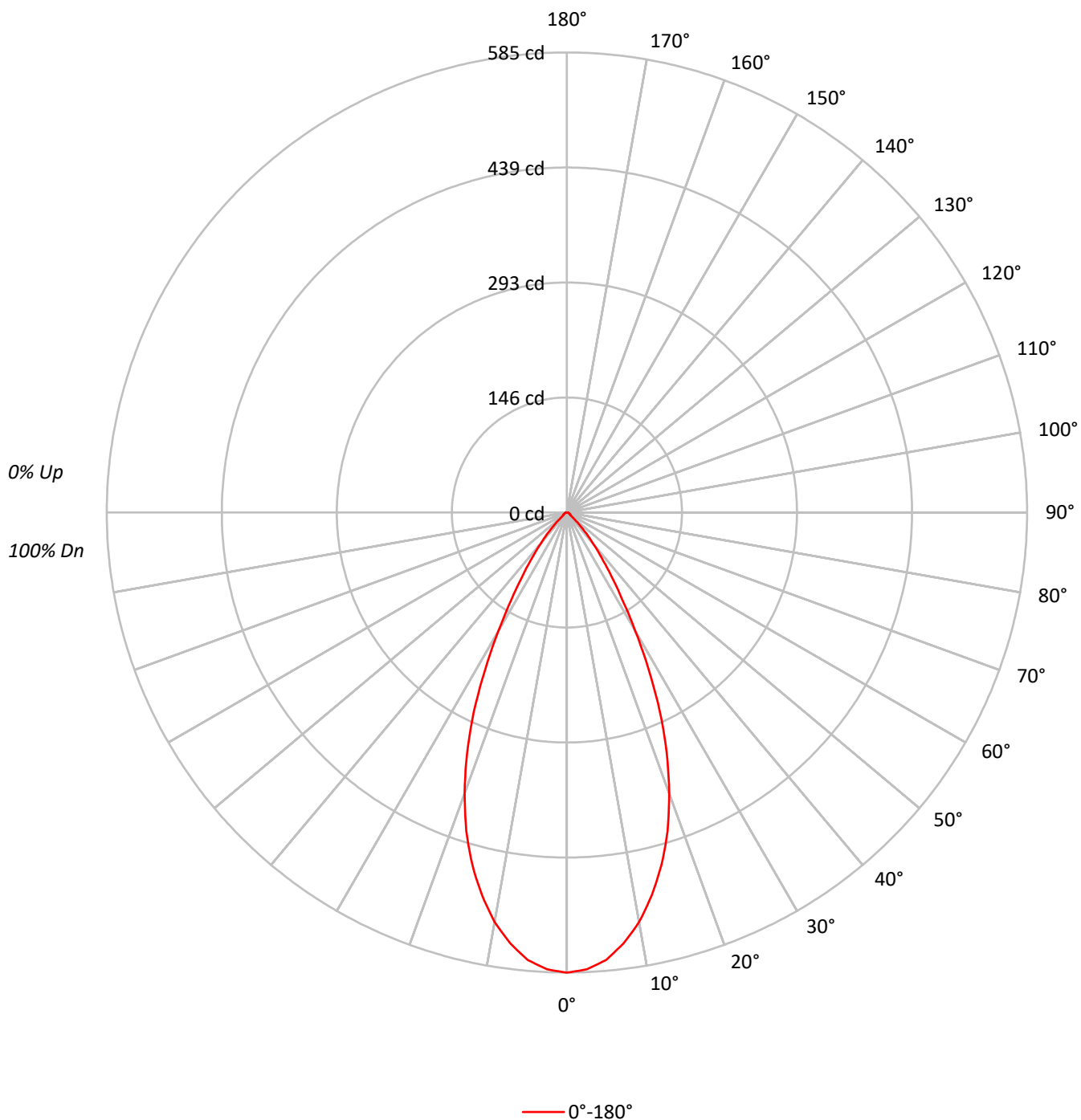
Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290041

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1290041

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_2700K

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76		
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72		
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67		
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64		
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60		
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57		
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128301
5°	125732
10°	117767
15°	105426
20°	88721
25°	67697
30°	44007
35°	26100
40°	15085
45°	7567
50°	2797
55°	2179
60°	2061
65°	1868
70°	1859
75°	1779
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7567 cd/sqm

TEST NUMBER: P1290041

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	13.2
10°-20°	128.4	31.9
20°-30°	126.0	31.3
30°-40°	63.5	15.8
40°-50°	20.1	5.0
50°-60°	5.2	1.3
60°-70°	3.7	0.9
70°-80°	2.3	0.6
80°-90°	0.8	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°	307.6	76.3
0°-40°	371.0	92.1
0°-60°	396.3	98.3
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	585	
5°	571	53
15°	464	128
25°	280	126
35°	98	63
45°	24	20
55°	6	5
65°	4	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P1290041

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DL1WMH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	585.1
2.5°	581.5
5°	571.2
7.5°	552.5
10°	528.9
12.5°	498.4
15°	464.4
17.5°	425.0
20°	380.2
22.5°	331.8
25°	279.8
27.5°	224.7
30°	173.8
32.5°	130.8
35°	97.5
37.5°	72.0
40°	52.7
42.5°	37.3
45°	24.4
47.5°	14.0
50°	8.2
52.5°	6.1
55°	5.7
57.5°	5.0
60°	4.7
62.5°	4.3
65°	3.6
67.5°	3.2
70°	2.9
72.5°	2.5
75°	2.1
77.5°	1.8
80°	1.4
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)