

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: P1289779

Luminaire Tested: P3A05R45W2N902750DE010 E3DLD1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902750DE010 E3DLD1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

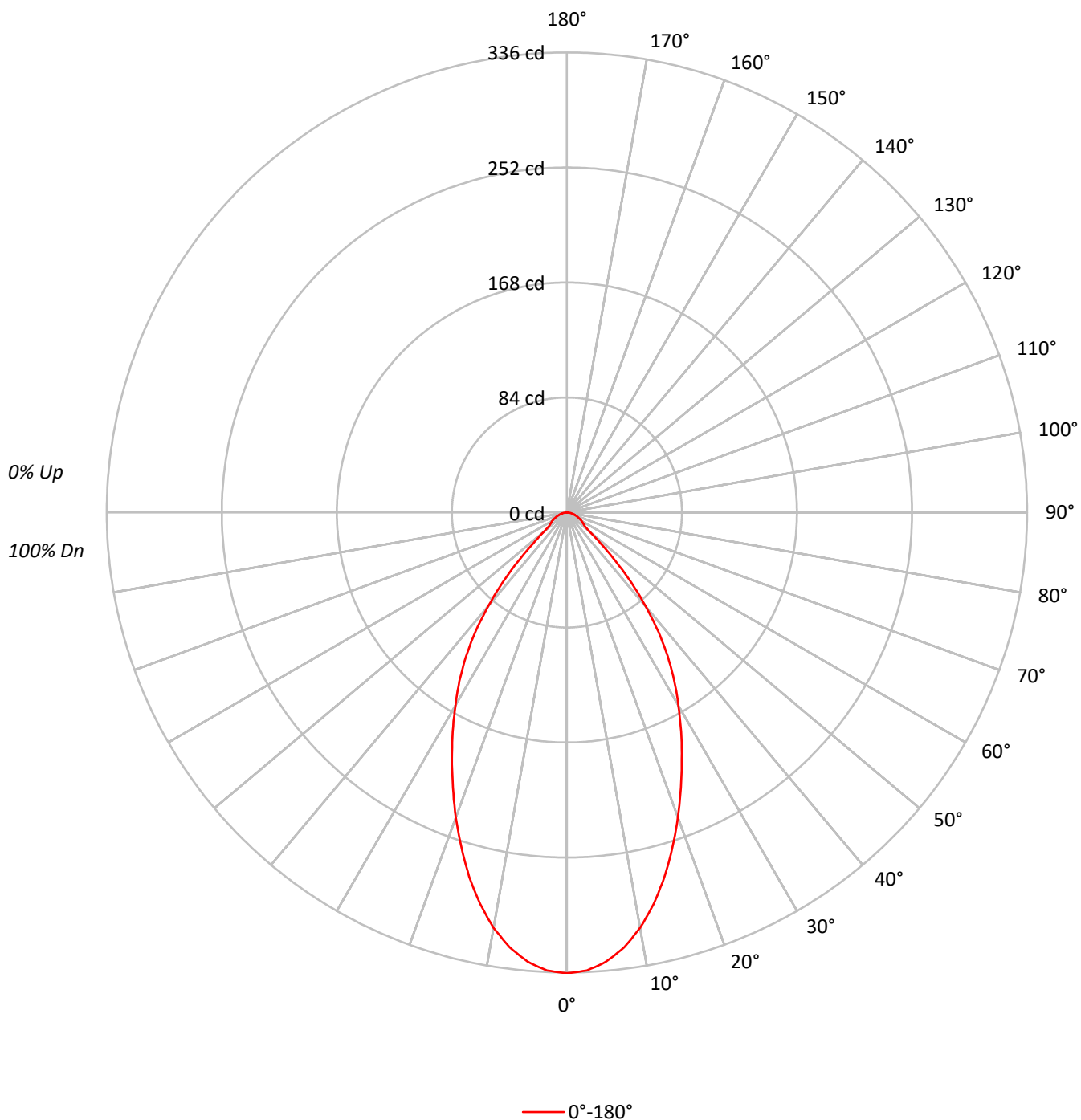
Lumens per Lamp: N/A
Luminaire Lumens: 347.9 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	82	97	91	85	81	88	83	80	85	81	78	83	80	77	75		
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73788
5°	72485
10°	68580
15°	62543
20°	55305
25°	48027
30°	41222
35°	34345
40°	25591
45°	15661
50°	7266
55°	5658
60°	5438
65°	4981
70°	4616
75°	4406
80°	4041
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 15661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	8.8
10°-20°	76.7	22.0
20°-30°	91.1	26.2
30°-40°	79.2	22.8
40°-50°	39.7	11.4
50°-60°	13.8	4.0
60°-70°	9.6	2.8
70°-80°	5.4	1.5
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°	198.6	57.1
0°-40°	277.8	79.8
0°-60°	331.3	95.2
0°-90°	347.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	336	
5°	329	31
15°	276	77
25°	198	91
35°	128	79
45°	50	40
55°	15	14
65°	10	10
75°	5	5
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	336.5
2.5°	334.9
5°	329.3
7.5°	320.4
10°	308.0
12.5°	292.8
15°	275.5
17.5°	256.3
20°	237.0
22.5°	217.4
25°	198.5
27.5°	180.5
30°	162.8
32.5°	146.0
35°	128.3
37.5°	109.5
40°	89.4
42.5°	69.8
45°	50.5
47.5°	33.3
50°	21.3
52.5°	16.4
55°	14.8
57.5°	13.6
60°	12.4
62.5°	11.2
65°	9.6
67.5°	8.4
70°	7.2
72.5°	6.0
75°	5.2
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.2
87.5°	0.8
90°	0.0

(END OF REPORT)