

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: P1289766

Luminaire Tested: P3A05R45W2N902750DE010 E3DLD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289766
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 E3DLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

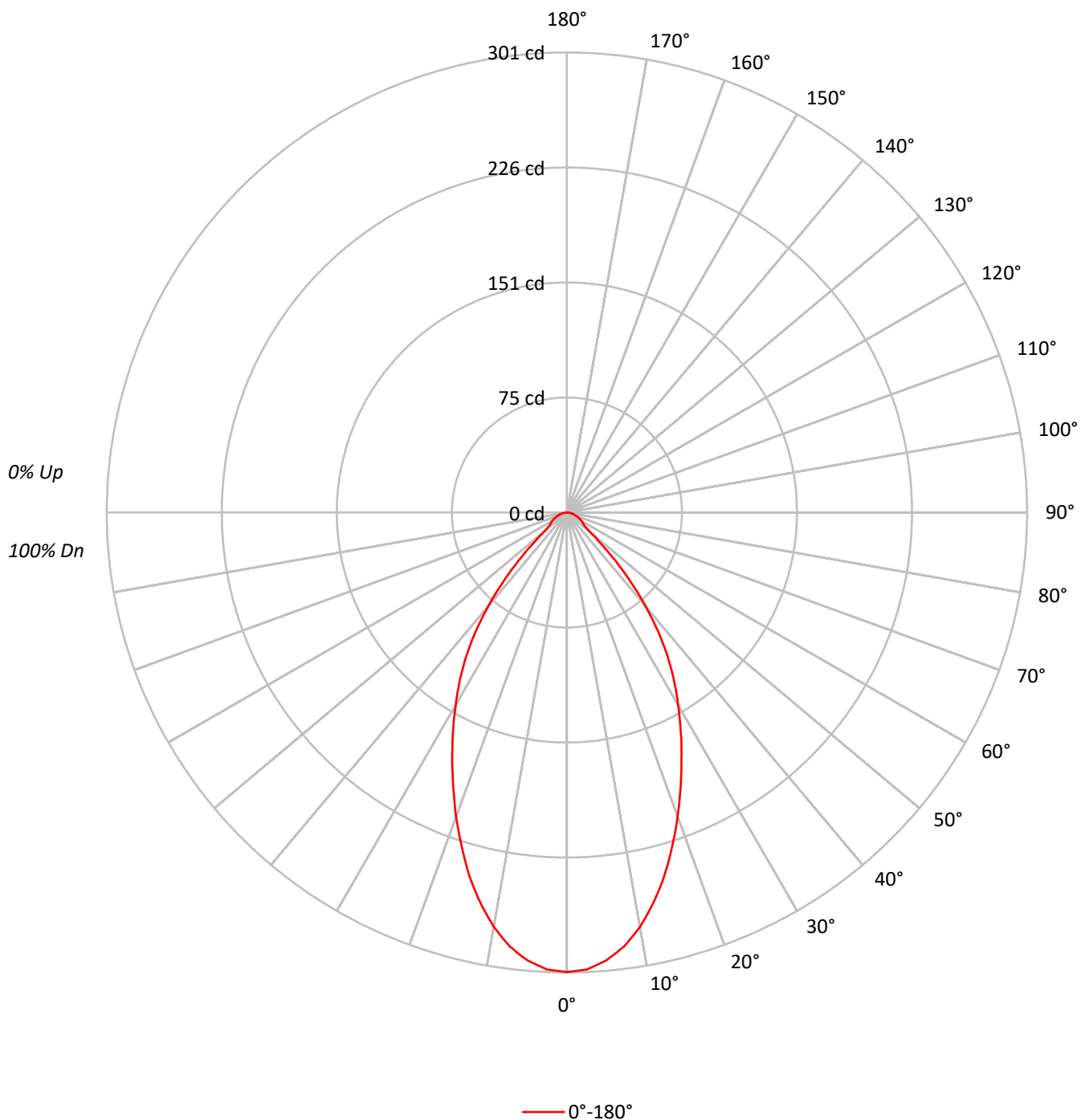
Lumens per Lamp: N/A
Luminaire Lumens: 311.1 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	90	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°	65938
5°	64781
10°	61299
15°	55891
20°	49424
25°	42922
30°	36841
35°	30704
40°	22871
45°	14017
50°	6482
55°	5085
60°	4868
65°	4462
70°	4167
75°	3982
80°	3662
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	8.8
10°-20°	68.5	22.0
20°-30°	81.5	26.2
30°-40°	70.8	22.8
40°-50°	35.5	11.4
50°-60°	12.3	4.0
60°-70°	8.6	2.8
70°-80°	4.9	1.6
80°-90°	1.5	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°	177.5	57.1
0°-40°	248.3	79.8
0°-60°	296.1	95.2
0°-90°	311.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	301	
5°	294	27
15°	246	69
25°	177	81
35°	115	71
45°	45	35
55°	13	12
65°	9	9
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	300.7
2.5°	299.3
5°	294.3
7.5°	286.4
10°	275.3
12.5°	261.6
15°	246.2
17.5°	229.0
20°	211.8
22.5°	194.3
25°	177.4
27.5°	161.3
30°	145.5
32.5°	130.5
35°	114.7
37.5°	97.8
40°	79.9
42.5°	62.4
45°	45.2
47.5°	29.7
50°	19.0
52.5°	14.7
55°	13.3
57.5°	12.2
60°	11.1
62.5°	10.0
65°	8.6
67.5°	7.5
70°	6.5
72.5°	5.4
75°	4.7
77.5°	3.6
80°	2.9
82.5°	2.2
85°	1.1
87.5°	0.7
90°	0.0

(END OF REPORT)