

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: P1293571

Luminaire Tested: P3A09R45W2N902750DE010 E3DLD1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293571
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: P3A09R45W2N902750DE010 E3DLD1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

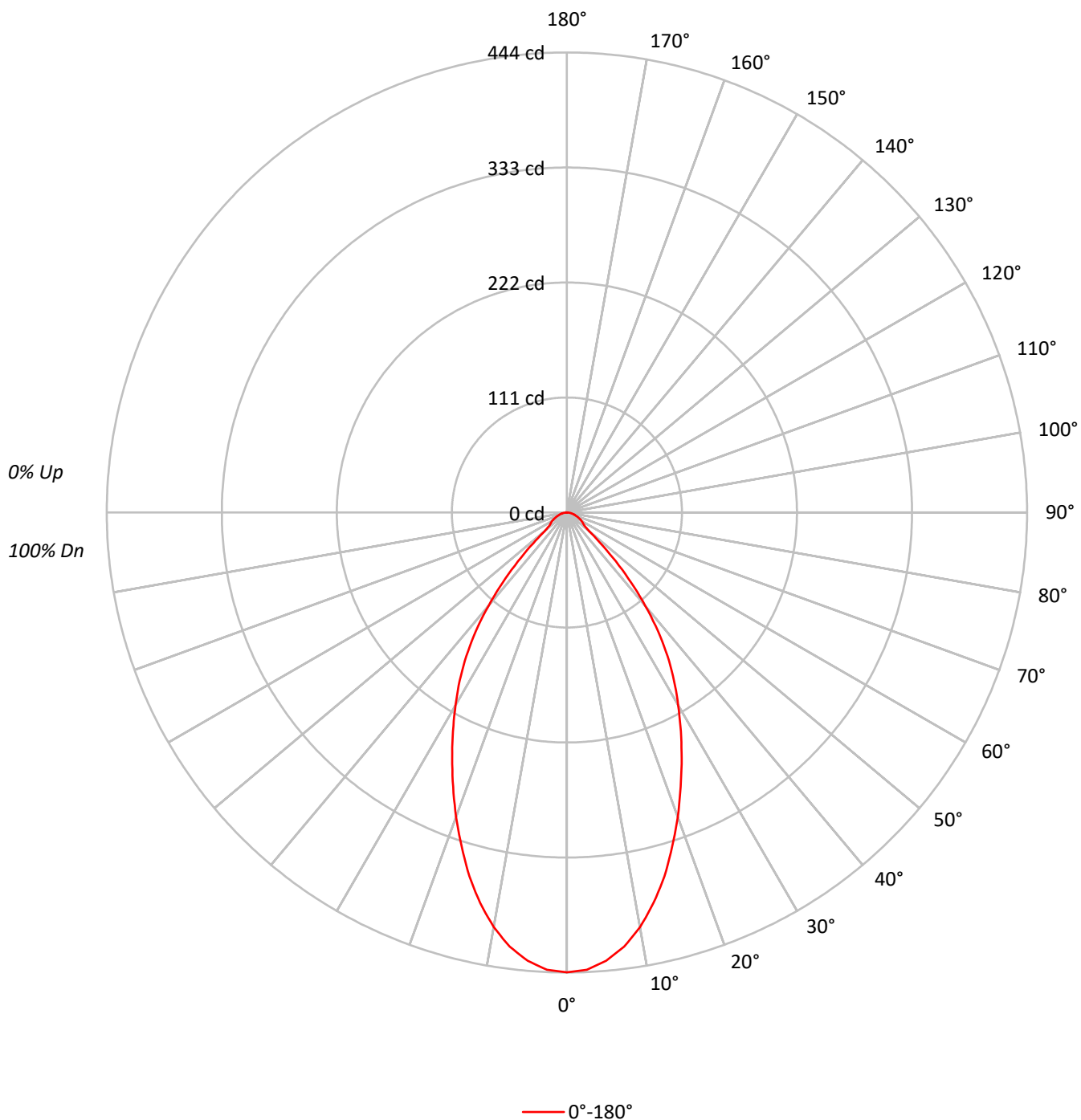
Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1293571

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLD1WMH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1293571

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLD1WMH_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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97317
5°	95597
10°	90468
15°	82498
20°	72946
25°	63342
30°	54388
35°	45320
40°	33778
45°	20684
50°	9552
55°	7493
60°	7192
65°	6590
70°	6091
75°	5846
80°	5304
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20684 cd/sqm

TEST NUMBER: P1293571

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLD1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	8.8
10°-20°	101.2	22.0
20°-30°	120.2	26.2
30°-40°	104.5	22.8
40°-50°	52.4	11.4
50°-60°	18.2	4.0
60°-70°	12.7	2.8
70°-80°	7.1	1.5
80°-90°	2.2	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°	261.9	57.1
0°-40°	366.4	79.8
0°-60°	437.0	95.2
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	444	
5°	434	41
15°	363	101
25°	262	120
35°	169	104
45°	67	52
55°	20	18
65°	13	13
75°	7	7
85°	2	2
90°	0	

TEST NUMBER: P1293571

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DLD1WMH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	443.8
2.5°	441.7
5°	434.3
7.5°	422.6
10°	406.3
12.5°	386.1
15°	363.4
17.5°	338.0
20°	312.6
22.5°	286.7
25°	261.8
27.5°	238.0
30°	214.8
32.5°	192.5
35°	169.3
37.5°	144.4
40°	118.0
42.5°	92.0
45°	66.7
47.5°	43.9
50°	28.0
52.5°	21.7
55°	19.6
57.5°	18.0
60°	16.4
62.5°	14.8
65°	12.7
67.5°	11.1
70°	9.5
72.5°	7.9
75°	6.9
77.5°	5.3
80°	4.2
82.5°	3.2
85°	1.6
87.5°	1.1
90°	0.0

(END OF REPORT)