

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: P1293639

Luminaire Tested: P3A09R45W2N902765DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R45W2N902765DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

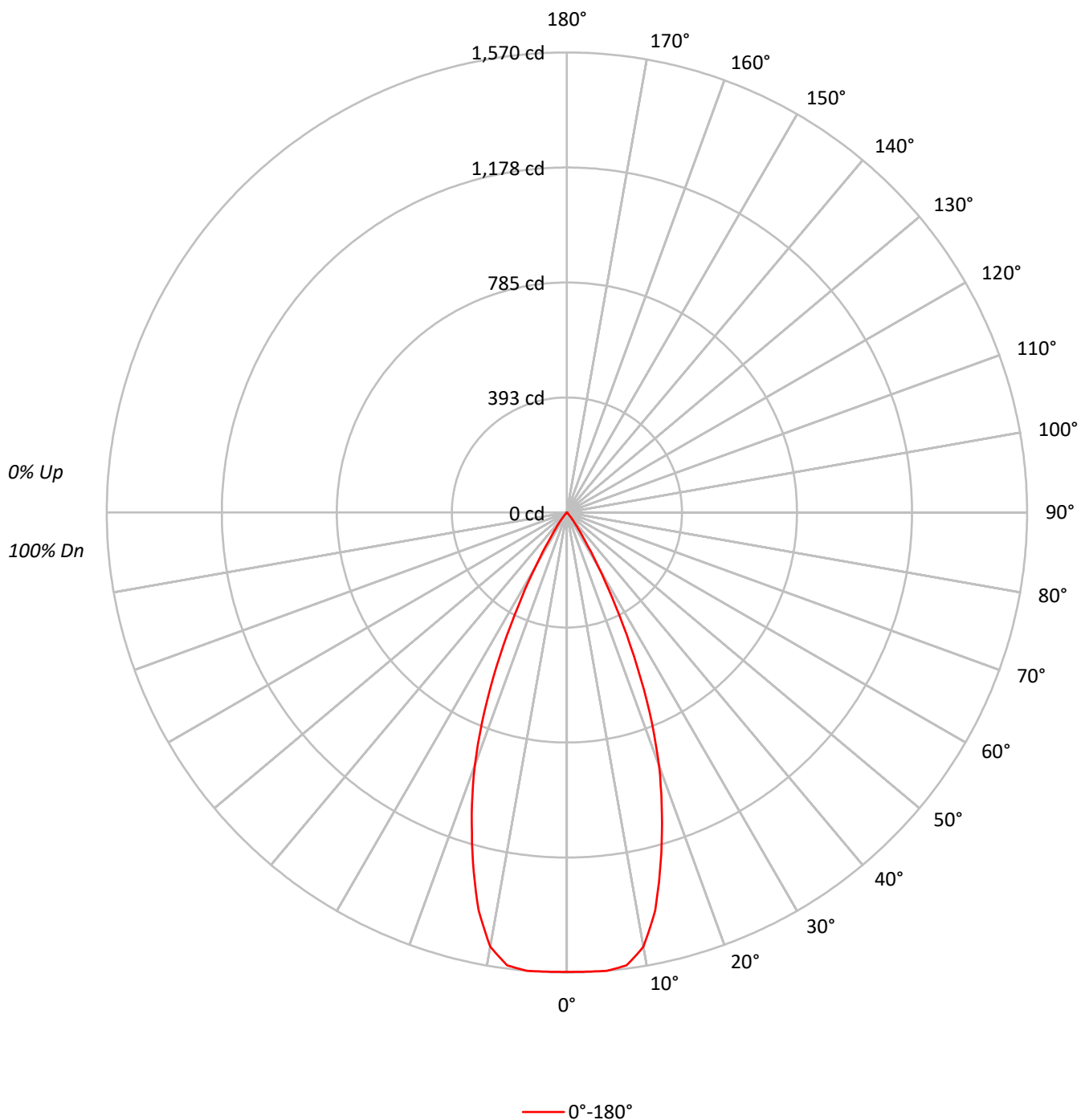
Lumens per Lamp: N/A
Luminaire Lumens: 793.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293639

CATALOG NUMBER: P3A09R45W2N902765DE010 E3CD1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293639

CATALOG NUMBER: P3A09R45W2N902765DE010 E3CD1MW_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95	94	92		91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88		86
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88	86	84		82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80		79
6	94	87	82	78	93	86	81	78	85	80	77		83	80	77		82	79	76		75
7	90	83	78	74	89	82	78	74	81	77	74		80	76	74		79	76	73		72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76	73	70		69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73	70	67		66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	343810
5°	345652
10°	335019
15°	280751
20°	214615
25°	130653
30°	54363
35°	17427
40°	5410
45°	1085
50°	819
55°	918
60°	789
65°	934
70°	769
75°	1017
80°	758
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1085 cd/sqm

TEST NUMBER: P1293639

CATALOG NUMBER: P3A09R45W2N902765DE010 E3CD1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	18.7
10°-20°	339.9	42.9
20°-30°	244.7	30.9
30°-40°	50.9	6.4
40°-50°	4.7	0.6
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	1.0	0.1
80°-90°	0.2	0.0
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°	732.7	92.4
0°-40°	783.7	98.8
0°-60°	790.3	99.6
0°-90°	793.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	793.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1568	
5°	1570	148
15°	1237	340
25°	540	245
35°	65	51
45°	4	5
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1293639

CATALOG NUMBER: P3A09R45W2N902765DE010 E3CD1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1567.9
2.5°	1568.5
5°	1570.3
7.5°	1559.0
10°	1504.6
12.5°	1391.1
15°	1236.7
17.5°	1078.8
20°	919.7
22.5°	736.9
25°	540.0
27.5°	356.0
30°	214.7
32.5°	120.1
35°	65.1
37.5°	36.7
40°	18.9
42.5°	8.3
45°	3.5
47.5°	2.4
50°	2.4
52.5°	2.4
55°	2.4
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)