

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: P1293655

Luminaire Tested: P3A09R45W2N902765DE010 E3DL1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R45W2N902765DE010 E3DL1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

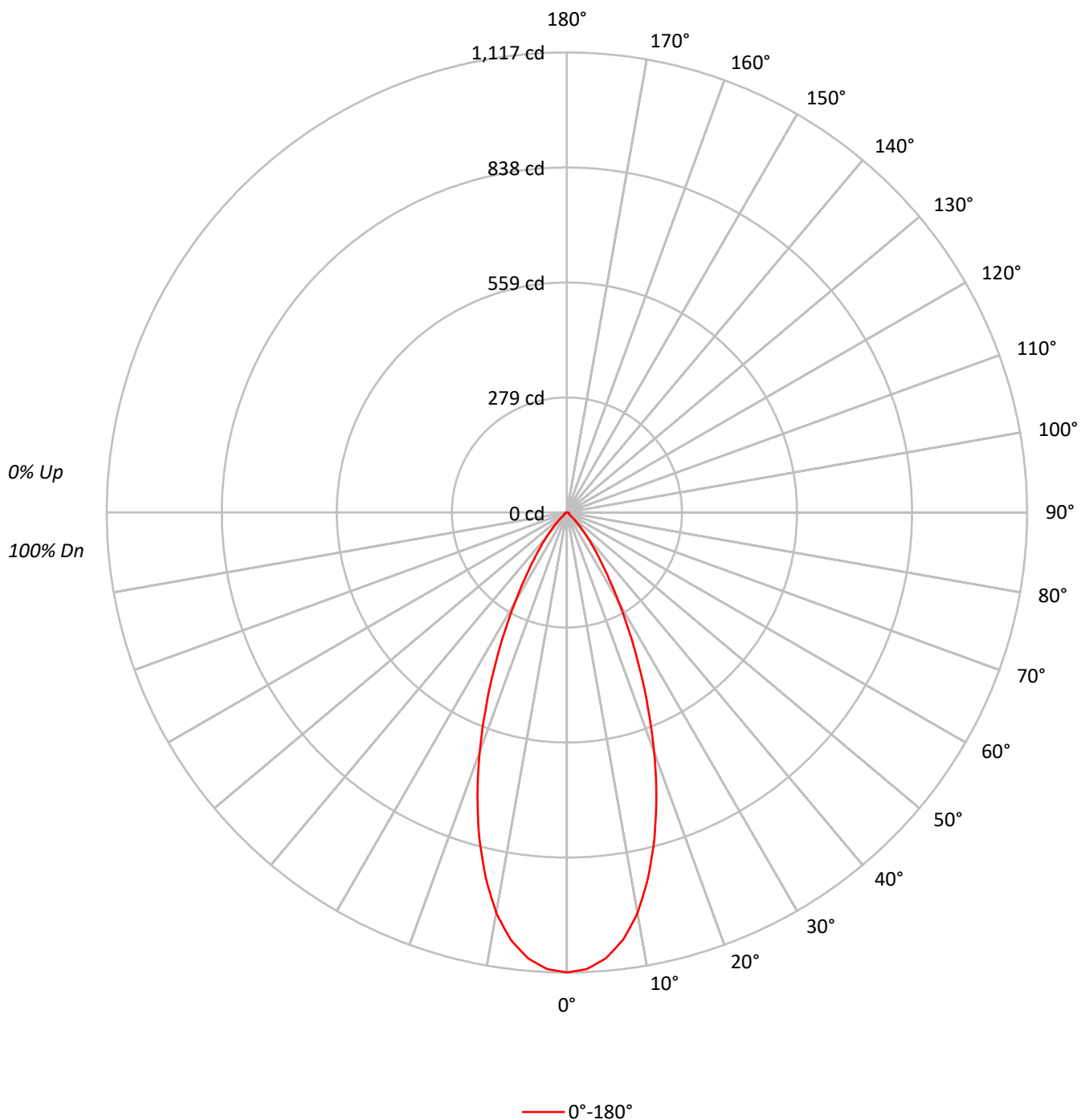
Lumens per Lamp: N/A
Luminaire Lumens: 652.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293655

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293655

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1H_3000K

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	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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62			
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	244849
5°	239115
10°	219813
15°	186244
20°	144493
25°	101014
30°	63630
35°	37450
40°	21211
45°	10296
50°	3582
55°	2906
60°	2807
65°	2698
70°	2629
75°	2457
80°	2147
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10296 cd/sqm

TEST NUMBER: P1293655

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	15.4
10°-20°	225.3	34.6
20°-30°	191.3	29.3
30°-40°	91.3	14.0
40°-50°	27.5	4.2
50°-60°	7.0	1.1
60°-70°	5.2	0.8
70°-80°	3.1	0.5
80°-90°	0.9	0.1
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°	517.2	79.3
0°-40°	608.4	93.3
0°-60°	642.9	98.6
0°-90°	652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1117	
5°	1086	101
15°	820	225
25°	418	191
35°	140	91
45°	33	27
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1293655

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1H_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1116.6
2.5°	1109.6
5°	1086.3
7.5°	1046.0
10°	987.2
12.5°	909.0
15°	820.4
17.5°	721.9
20°	619.2
22.5°	514.9
25°	417.5
27.5°	328.9
30°	251.3
32.5°	188.9
35°	139.9
37.5°	103.2
40°	74.1
42.5°	51.3
45°	33.2
47.5°	18.7
50°	10.5
52.5°	8.2
55°	7.6
57.5°	7.0
60°	6.4
62.5°	5.8
65°	5.2
67.5°	4.7
70°	4.1
72.5°	3.5
75°	2.9
77.5°	2.3
80°	1.7
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)