

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: P1293649

Luminaire Tested: P3A09R45W2N902765DE010 E3DL1GPH_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293649
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 E3DL1GPH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

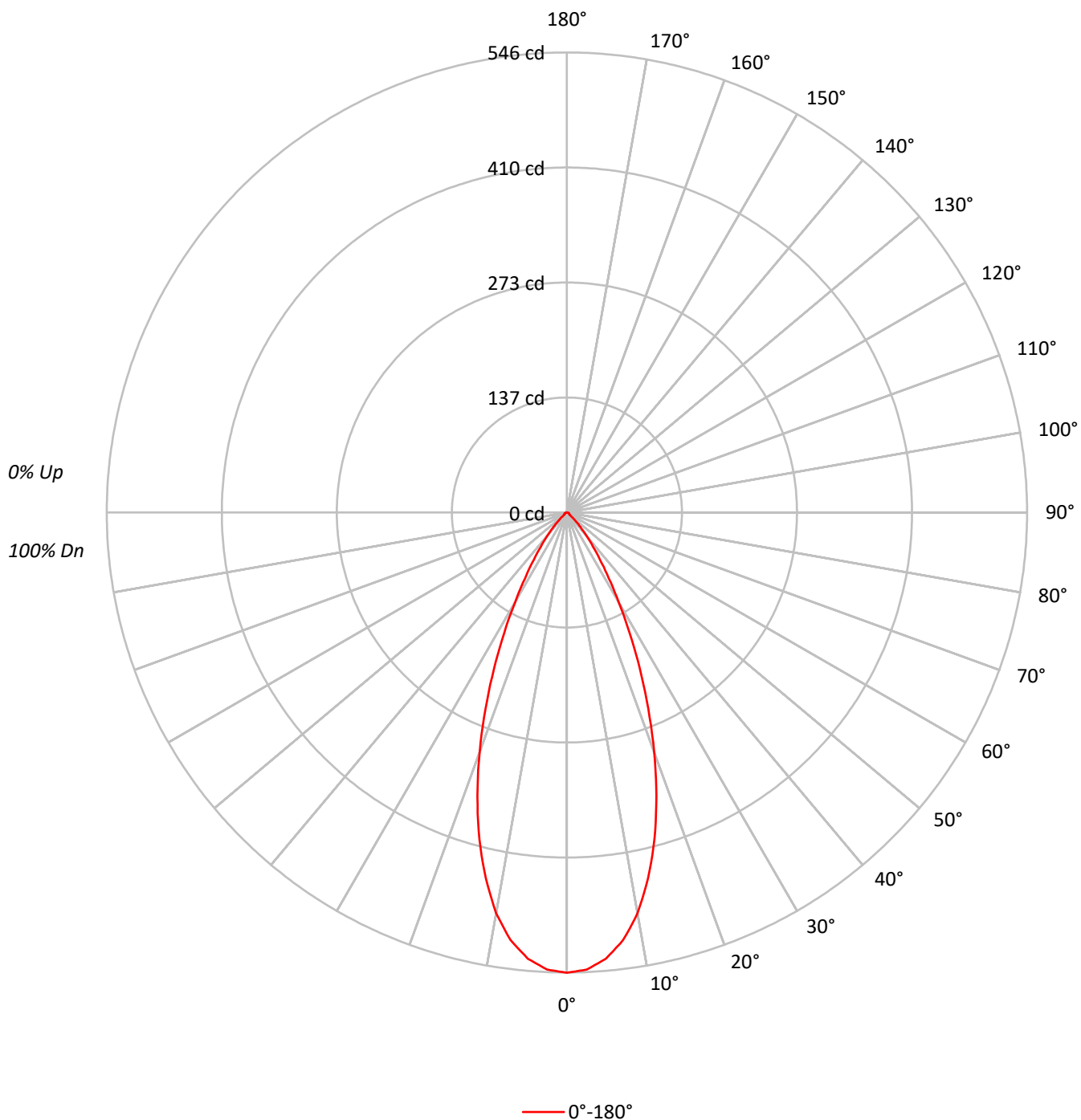
Lumens per Lamp: N/A
Luminaire Lumens: 319.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293649

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1GPH_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1293649

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1GPH_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		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	76	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°	119793
5°	116993
10°	107546
15°	91124
20°	70706
25°	49430
30°	31144
35°	18337
40°	10362
45°	5055
50°	1740
55°	1415
60°	1360
65°	1349
70°	1282
75°	1186
80°	1137
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5055 cd/sqm

TEST NUMBER: P1293649

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1GPH_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	15.4
10°-20°	110.2	34.6
20°-30°	93.6	29.3
30°-40°	44.7	14.0
40°-50°	13.4	4.2
50°-60°	3.4	1.1
60°-70°	2.6	0.8
70°-80°	1.5	0.5
80°-90°	0.4	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°	253.0	79.3
0°-40°	297.7	93.3
0°-60°	314.5	98.6
0°-90°	319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	546	
5°	532	49
15°	401	110
25°	204	94
35°	68	45
45°	16	13
55°	4	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1293649

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1GPH_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	546.3
2.5°	542.9
5°	531.5
7.5°	511.8
10°	483.0
12.5°	444.8
15°	401.4
17.5°	353.2
20°	303.0
22.5°	251.9
25°	204.3
27.5°	160.9
30°	123.0
32.5°	92.4
35°	68.5
37.5°	50.5
40°	36.2
42.5°	25.1
45°	16.3
47.5°	9.1
50°	5.1
52.5°	4.0
55°	3.7
57.5°	3.4
60°	3.1
62.5°	2.9
65°	2.6
67.5°	2.3
70°	2.0
72.5°	1.7
75°	1.4
77.5°	1.1
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.3
90°	0.0

(END OF REPORT)