

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: P1293520

Luminaire Tested: P3A09R45W2N902750DE010 E3DL1GPH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293520
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: P3A09R45W2N902750DE010 E3DL1GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

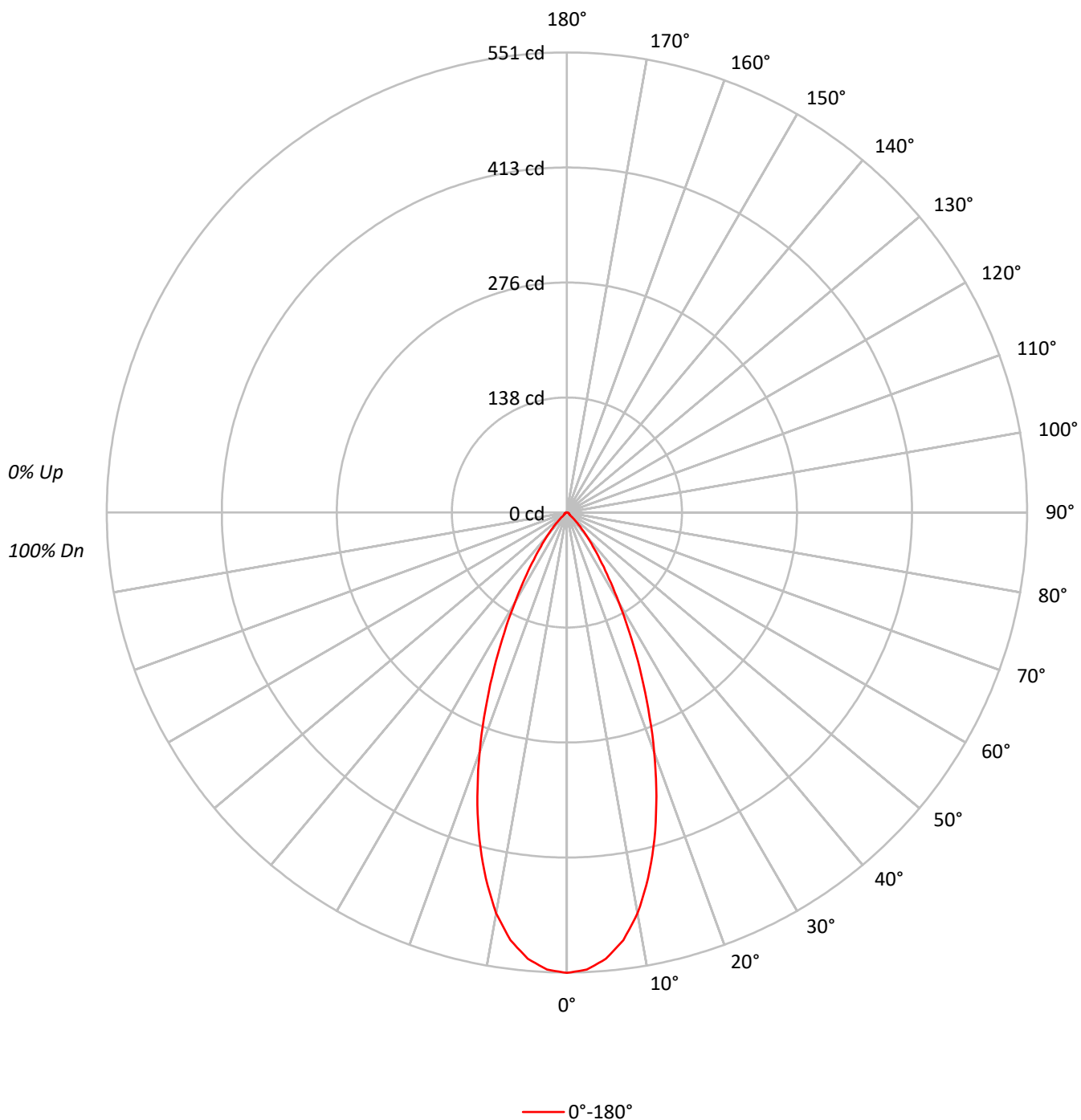
Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	120911
5°	118093
10°	108548
15°	91987
20°	71360
25°	49890
30°	31423
35°	18498
40°	10477
45°	5086
50°	1774
55°	1415
60°	1403
65°	1349
70°	1282
75°	1186
80°	1137
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	15.4
10°-20°	111.3	34.6
20°-30°	94.5	29.3
30°-40°	45.1	14.0
40°-50°	13.6	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°	255.4	79.3
0°-40°	300.5	93.3
0°-60°	317.5	98.6
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	551	
5°	536	50
15°	405	111
25°	206	94
35°	69	45
45°	16	14
55°	4	3
65°	3	3
75°	1	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	551.4
2.5°	548.0
5°	536.5
7.5°	516.6
10°	487.5
12.5°	448.9
15°	405.2
17.5°	356.5
20°	305.8
22.5°	254.3
25°	206.2
27.5°	162.4
30°	124.1
32.5°	93.3
35°	69.1
37.5°	51.0
40°	36.6
42.5°	25.3
45°	16.4
47.5°	9.2
50°	5.2
52.5°	4.0
55°	3.7
57.5°	3.5
60°	3.2
62.5°	2.9
65°	2.6
67.5°	2.3
70°	2.0
72.5°	1.7
75°	1.4
77.5°	1.2
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.3
90°	0.0

(END OF REPORT)