

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: P1293536

Luminaire Tested: P3A09R45W2N902750DE010 E3DL1WH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R45W2N902750DE010 E3DL1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

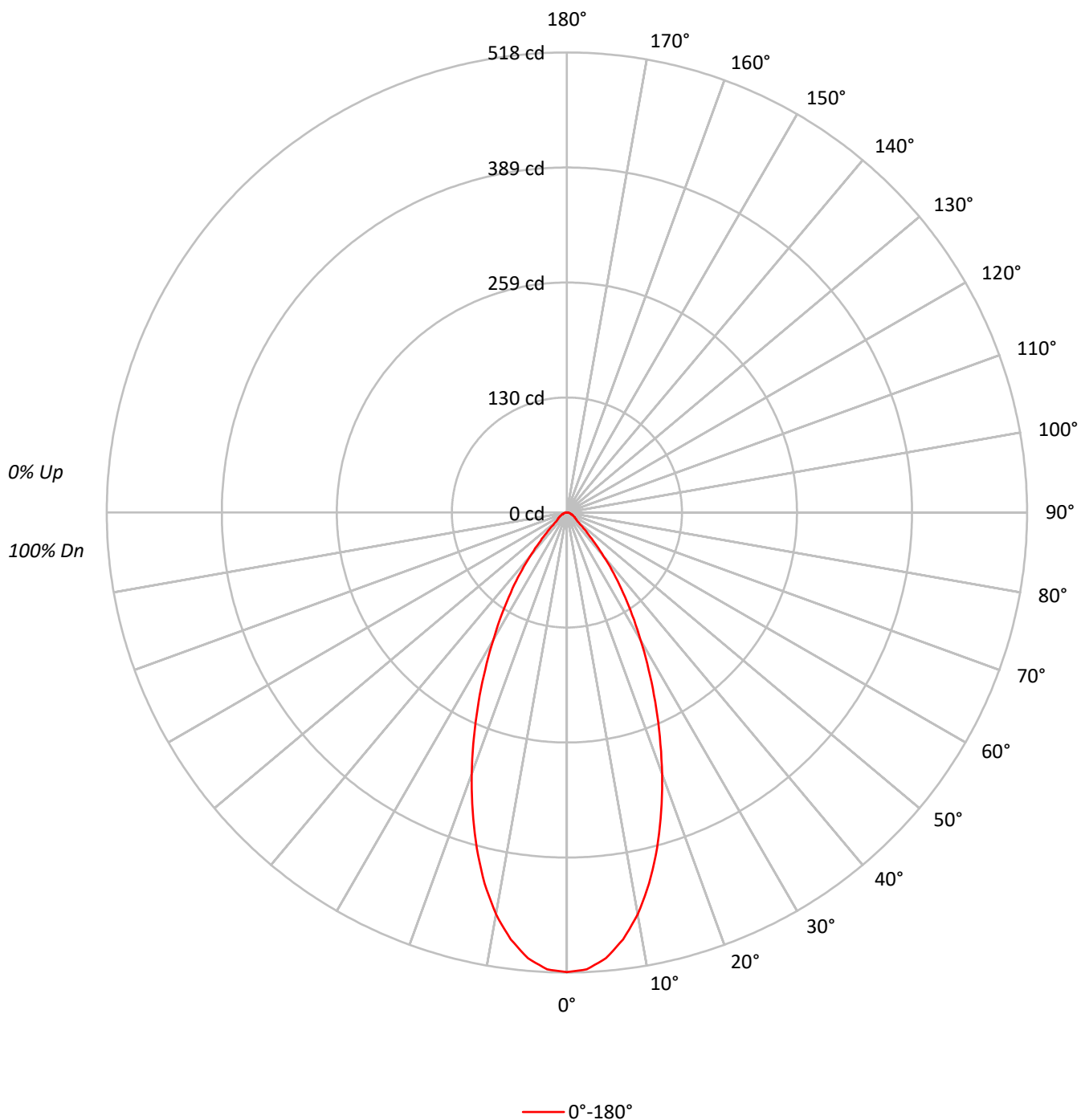
Lumens per Lamp: N/A
Luminaire Lumens: 381.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293536

CATALOG NUMBER: P3A09R45W2N902750DE010 E3DL1WH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1293536

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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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87		86
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86	83	81		79
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75		74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70		69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66		64
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69	65	61		60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58		56
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62	58	55		53
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113478
5°	110896
10°	102292
15°	88945
20°	73086
25°	56858
30°	41981
35°	29553
40°	18435
45°	9986
50°	5390
55°	4626
60°	4166
65°	3580
70°	3077
75°	3135
80°	2652
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9986 cd/sqm

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CATALOG NUMBER: P3A09R45W2N902750DE010 E3DL1WH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	12.2
10°-20°	108.3	28.4
20°-30°	107.5	28.2
30°-40°	69.3	18.2
40°-50°	26.7	7.0
50°-60°	10.8	2.8
60°-70°	6.9	1.8
70°-80°	3.7	1.0
80°-90°	1.2	0.3
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°	262.5	68.9
0°-40°	331.8	87.1
0°-60°	369.3	96.9
0°-90°	381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	518	
5°	504	47
15°	392	108
25°	235	108
35°	110	69
45°	32	27
55°	12	11
65°	7	7
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	517.5
2.5°	514.9
5°	503.8
7.5°	484.8
10°	459.4
12.5°	427.8
15°	391.8
17.5°	352.8
20°	313.2
22.5°	273.0
25°	235.0
27.5°	199.1
30°	165.8
32.5°	136.8
35°	110.4
37.5°	86.6
40°	64.4
42.5°	46.5
45°	32.2
47.5°	21.7
50°	15.8
52.5°	13.2
55°	12.1
57.5°	10.6
60°	9.5
62.5°	7.9
65°	6.9
67.5°	5.8
70°	4.8
72.5°	4.2
75°	3.7
77.5°	2.6
80°	2.1
82.5°	1.6
85°	1.1
87.5°	0.5
90°	0.0

(END OF REPORT)