

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: P1293800

Luminaire Tested: P3A09R50W2N902750DE010 E3D1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R50W2N902750DE010 E3D1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

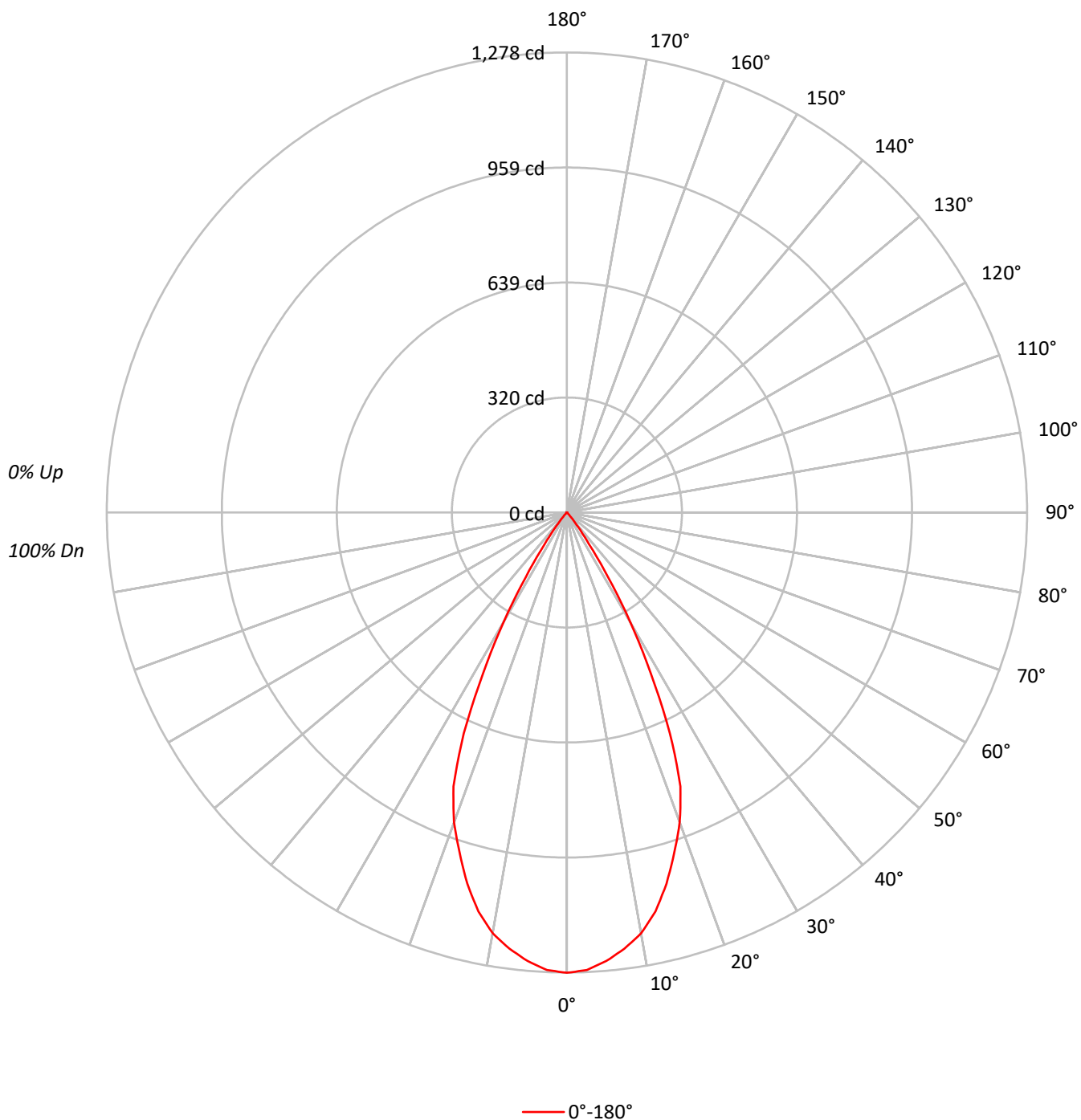
Lumens per Lamp: N/A
Luminaire Lumens: 805.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1293800

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1293800

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80			
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	280350
5°	275346
10°	264368
15°	242430
20°	213775
25°	163848
30°	89077
35°	28670
40°	6727
45°	899
50°	819
55°	918
60°	789
65°	934
70°	769
75°	1017
80°	758
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 85°

Luminance: 1510 cd/sqm

TEST NUMBER: P1293800

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	14.6
10°-20°	296.8	36.9
20°-30°	297.3	36.9
30°-40°	83.6	10.4
40°-50°	5.0	0.6
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	1.0	0.1
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°	711.5	88.4
0°-40°	795.1	98.8
0°-60°	802.1	99.6
0°-90°	805.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1278	
5°	1251	117
15°	1068	297
25°	677	297
35°	107	84
45°	3	5
55°	2	2
65°	2	2
75°	1	1
85°	1	0
90°	0	



TEST NUMBER: P1293800

CATALOG NUMBER: P3A09R50W2N902750DE010 E3D1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1278.5
2.5°	1272.1
5°	1250.9
7.5°	1222.0
10°	1187.3
12.5°	1135.0
15°	1067.9
17.5°	990.8
20°	916.1
22.5°	823.1
25°	677.2
27.5°	504.2
30°	351.8
32.5°	212.4
35°	107.1
37.5°	50.6
40°	23.5
42.5°	8.8
45°	2.9
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°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)