

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: P1294145

Luminaire Tested: P3A09R55W2N902750DE010 E3DL1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1294145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R55W2N902750DE010 E3DL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

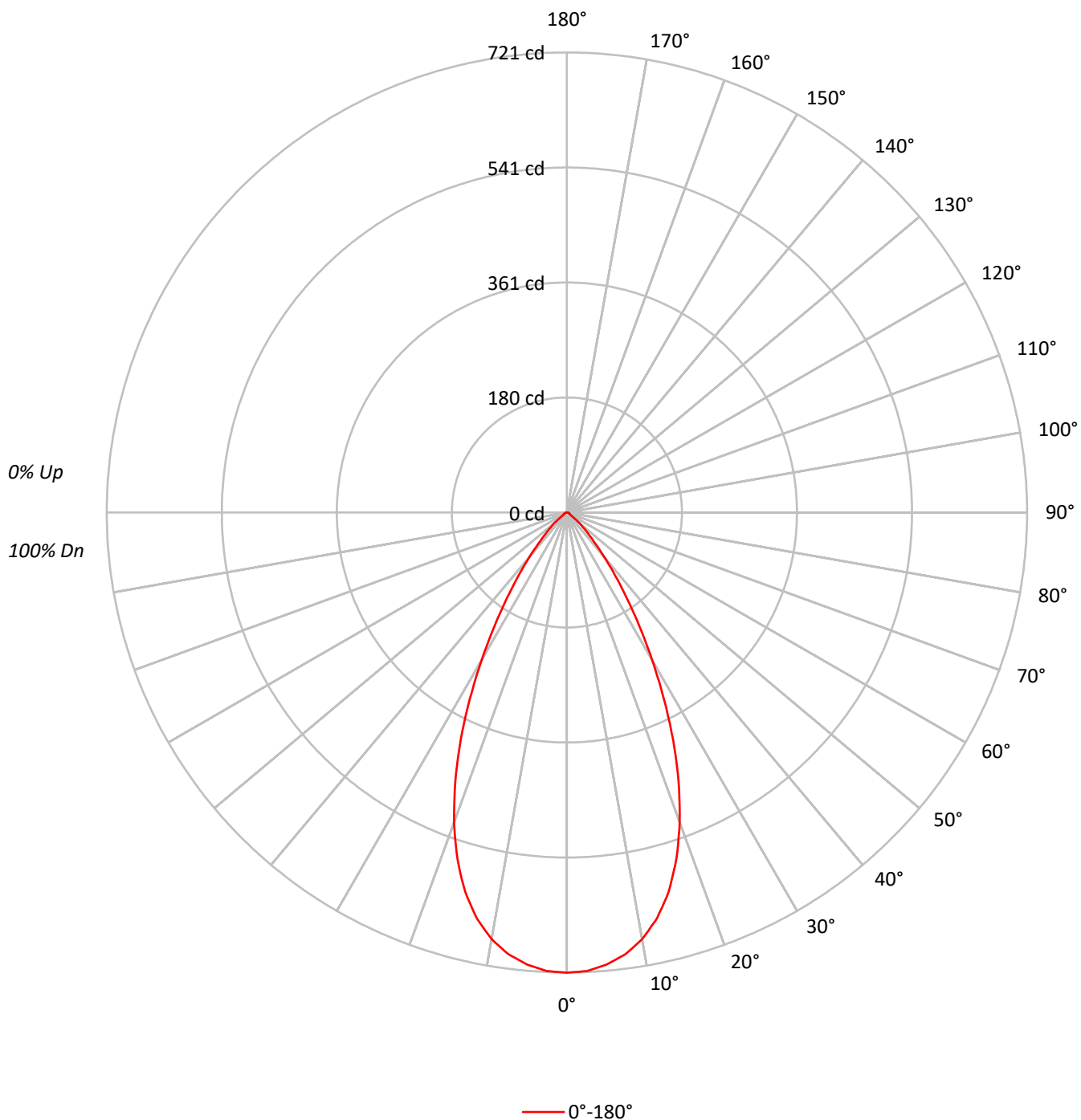
Lumens per Lamp: N/A
Luminaire Lumens: 576.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1294145

CATALOG NUMBER: P3A09R55W2N902750DE010 E3DL1MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1294145

CATALOG NUMBER: P3A09R55W2N902750DE010 E3DL1MW_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78	75	72	70
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63	59	56	55
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158167
5°	156570
10°	151188
15°	139751
20°	120597
25°	95256
30°	67580
35°	43580
40°	26163
45°	14761
50°	7949
55°	2829
60°	2544
65°	2491
70°	2372
75°	2203
80°	2020
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14761 cd/sqm

TEST NUMBER: P1294145

CATALOG NUMBER: P3A09R55W2N902750DE010 E3DL1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	11.6
10°-20°	170.2	29.6
20°-30°	178.4	31.0
30°-40°	104.1	18.1
40°-50°	38.9	6.8
50°-60°	9.2	1.6
60°-70°	4.7	0.8
70°-80°	2.8	0.5
80°-90°	0.8	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°	415.5	72.1
0°-40°	519.6	90.2
0°-60°	567.7	98.6
0°-90°	576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	721	
5°	711	67
15°	616	170
25°	394	178
35°	163	104
45°	48	39
55°	7	9
65°	5	5
75°	3	3
85°	0	1
90°	0	

TEST NUMBER: P1294145

CATALOG NUMBER: P3A09R55W2N902750DE010 E3DL1MW_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	721.3
2.5°	719.2
5°	711.3
7.5°	698.6
10°	679.0
12.5°	651.5
15°	615.6
17.5°	570.2
20°	516.8
22.5°	457.1
25°	393.7
27.5°	328.7
30°	266.9
32.5°	210.8
35°	162.8
37.5°	123.7
40°	91.4
42.5°	65.5
45°	47.6
47.5°	34.3
50°	23.3
52.5°	13.2
55°	7.4
57.5°	6.3
60°	5.8
62.5°	5.3
65°	4.8
67.5°	4.2
70°	3.7
72.5°	3.2
75°	2.6
77.5°	2.1
80°	1.6
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)