

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: P1290320

Luminaire Tested: P3A05R55W2N902750DE010 E3D1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R55W2N902750DE010 E3D1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

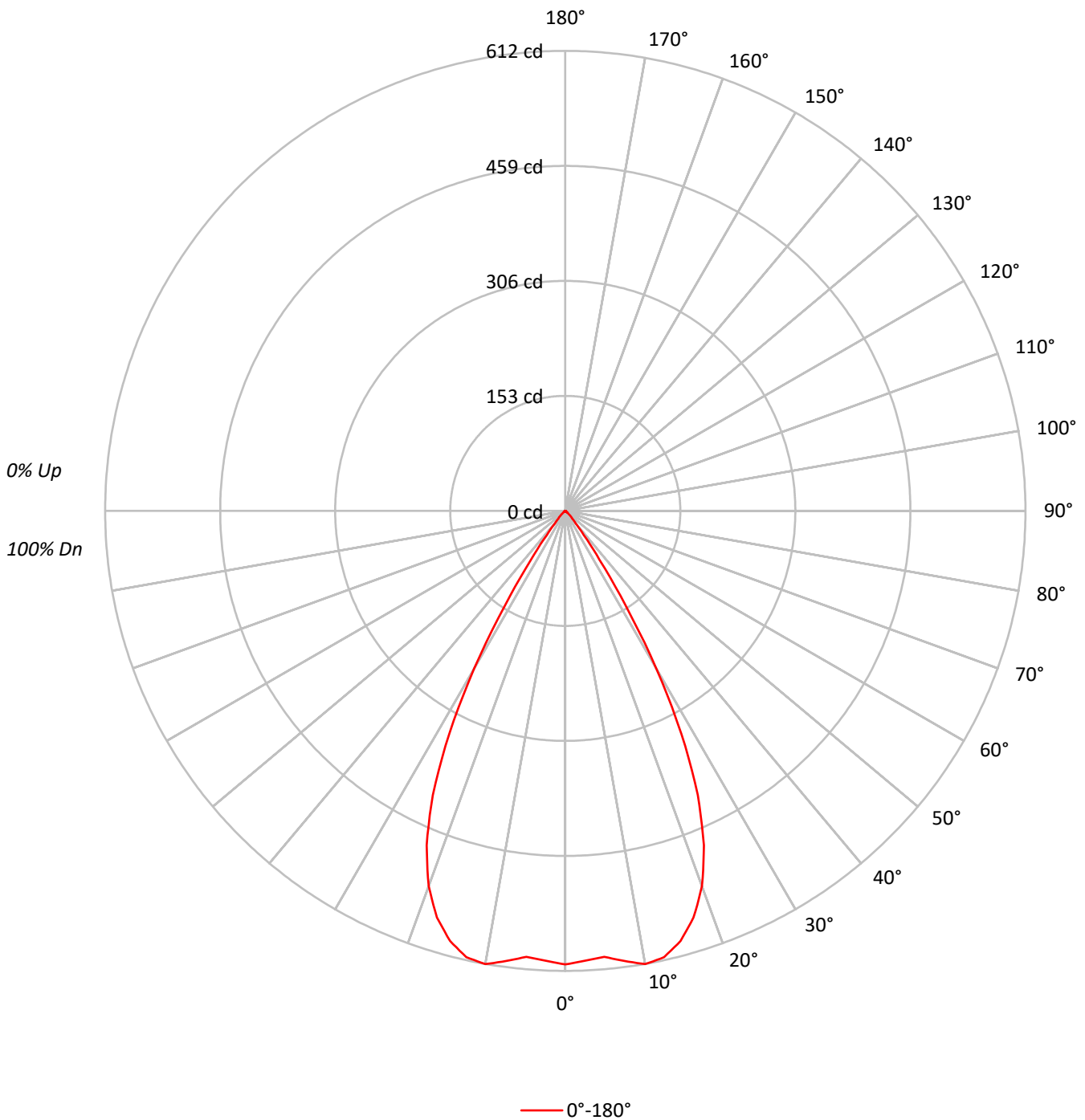
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1290320
CATALOG NUMBER: P3A05R55W2N902750DE010 E3D1MW_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1290320
 CATALOG NUMBER: P3A05R55W2N902750DE010 E3D1MW_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	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	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89		
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84		
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79		
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74		
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	70		
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66		
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63		
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60		
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°	132292
5°	131058
10°	136337
15°	134439
20°	123981
25°	100869
30°	61275
35°	21201
40°	6069
45°	2884
50°	1228
55°	535
60°	614
65°	571
70°	449
75°	593
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2884 cd/sqm



TEST NUMBER: P1290320

CATALOG NUMBER: P3A05R55W2N902750DE010 E3D1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	12.1
10°-20°	164.6	34.5
20°-30°	183.5	38.5
30°-40°	60.0	12.6
40°-50°	7.9	1.7
50°-60°	1.7	0.3
60°-70°	1.0	0.2
70°-80°	0.6	0.1
80°-90°	0.2	0.0
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°	405.7	85.0
0°-40°	465.7	97.6
0°-60°	475.3	99.6
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	603	
5°	595	58
15°	592	165
25°	417	183
35°	79	60
45°	9	8
55°	1	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1290320
CATALOG NUMBER: P3A05R55W2N902750DE010 E3D1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	603.3
2.5°	599.0
5°	595.4
7.5°	604.0
10°	612.3
12.5°	608.0
15°	592.2
17.5°	567.1
20°	531.3
22.5°	481.8
25°	416.9
27.5°	334.5
30°	242.0
32.5°	148.4
35°	79.2
37.5°	40.2
40°	21.2
42.5°	13.6
45°	9.3
47.5°	6.5
50°	3.6
52.5°	2.2
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.1
65°	1.1
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)