

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: P1290456

Luminaire Tested: P3A05R55W2N902765DE010 E3CD1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290456
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: P3A05R55W2N902765DE010 E3CD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

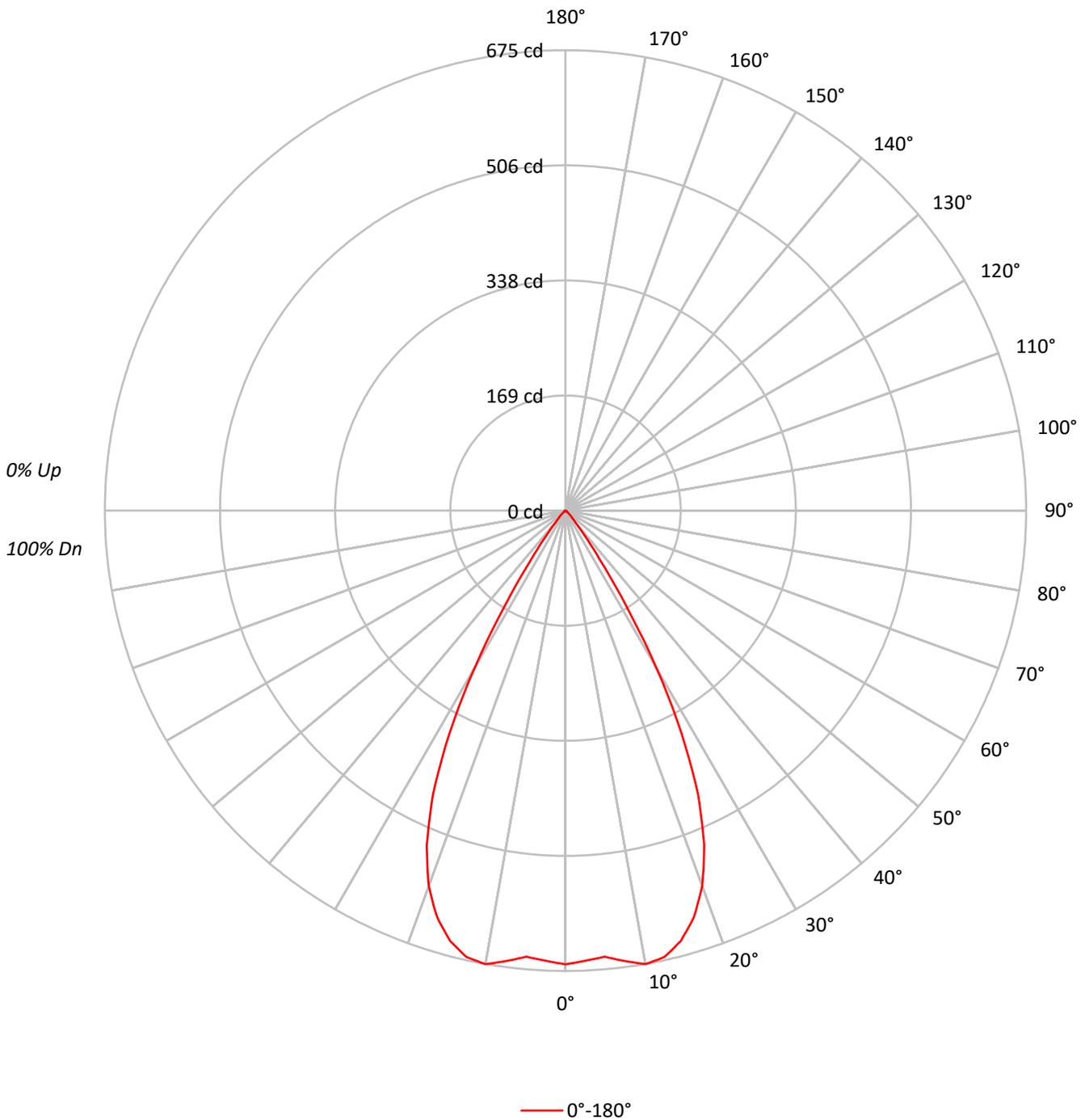
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 89.2 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

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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			0	
RW	70	50	30	10	70	50	30	10	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	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	85	85	85	84
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	76	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	72	72	72	72	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	68	68	68	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	64	64	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	61	61	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145887
5°	144530
10°	150342
15°	148264
20°	136699
25°	111224
30°	67555
35°	23396
40°	6670
45°	3194
50°	1365
55°	612
60°	702
65°	623
70°	513
75°	678
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3194 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	12.1
10°-20°	181.5	34.5
20°-30°	202.3	38.5
30°-40°	66.2	12.6
40°-50°	8.7	1.7
50°-60°	1.9	0.4
60°-70°	1.1	0.2
70°-80°	0.7	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°	447.3	85.0
0°-40°	513.5	97.6
0°-60°	524.1	99.6
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	665	
5°	657	63
15°	653	182
25°	460	202
35°	87	66
45°	10	9
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	665.3
2.5°	660.6
5°	656.6
7.5°	666.1
10°	675.2
12.5°	670.4
15°	653.1
17.5°	625.4
20°	585.8
22.5°	531.3
25°	459.7
27.5°	368.8
30°	266.8
32.5°	163.7
35°	87.4
37.5°	44.3
40°	23.3
42.5°	15.0
45°	10.3
47.5°	7.1
50°	4.0
52.5°	2.4
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.2
65°	1.2
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)