

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: P1290345

Luminaire Tested: P3A05R55W2N902750DE010 E3DL1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290345
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: P3A05R55W2N902750DE010 E3DL1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

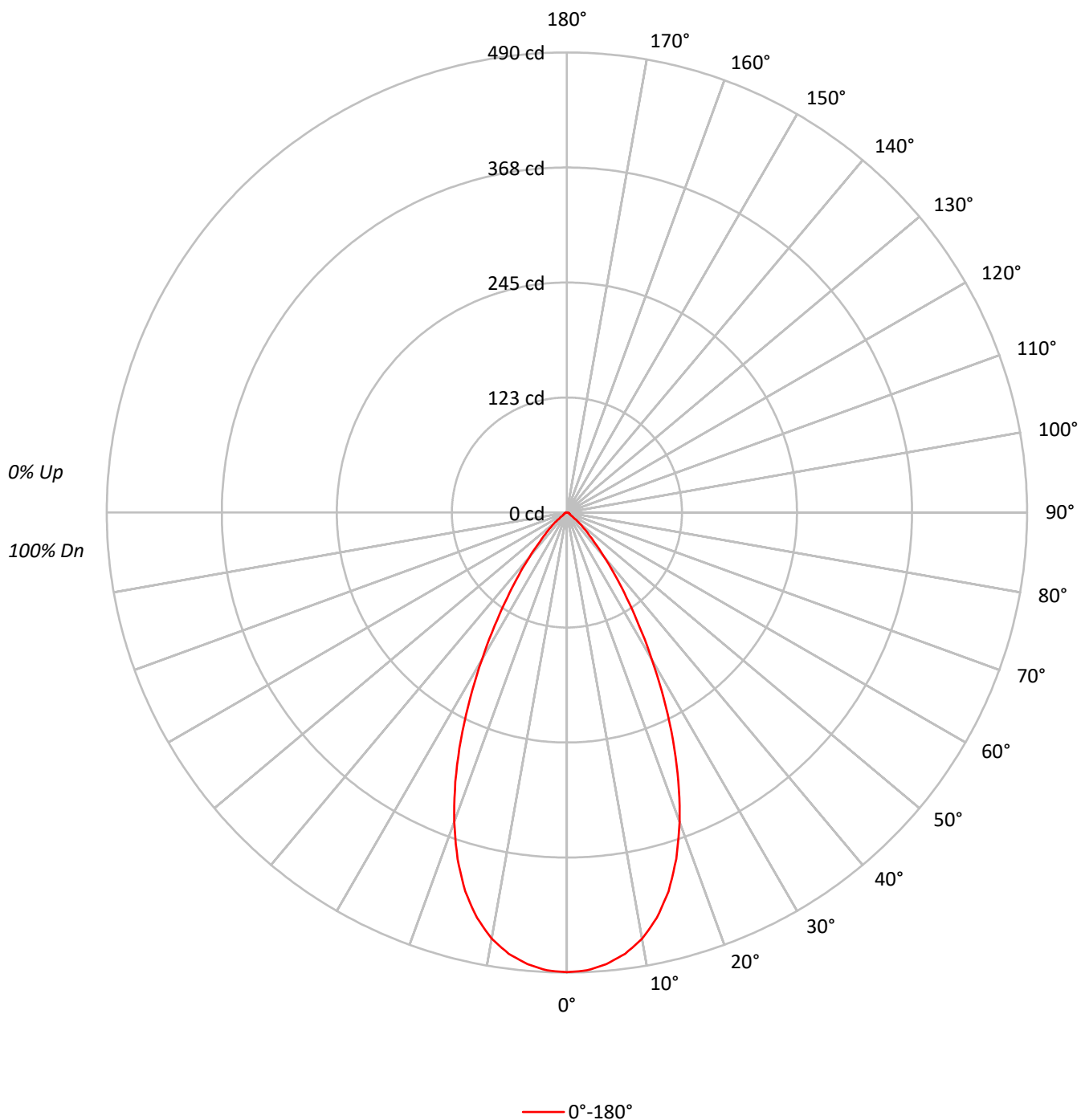
Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1290345

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1290345

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					30					10					0
RW	70	50	30	10		70	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
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	85	82
4	97	90	84	80		95	89	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		86	78	73	68		77	72	68		75	71	68		74	70	67
7	84	74	68	64		82	74	68	64		72	67	64		71	67	63		70	66	63
8	80	70	64	60		78	70	64	60		69	63	60		67	63	60		67	62	59
9	76	66	61	57		75	66	60	56		65	60	56		64	59	56		63	59	56
10	73	63	57	53		72	62	57	53		62	57	53		61	56	53		60	56	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107360
5°	106273
10°	102626
15°	94870
20°	81860
25°	64649
30°	45855
35°	29580
40°	17776
45°	10017
50°	5390
55°	1912
60°	1710
65°	1660
70°	1603
75°	1525
80°	1389
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10017 cd/sqm

TEST NUMBER: P1290345

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	11.6
10°-20°	115.6	29.6
20°-30°	121.1	31.0
30°-40°	70.6	18.1
40°-50°	26.4	6.8
50°-60°	6.2	1.6
60°-70°	3.2	0.8
70°-80°	1.9	0.5
80°-90°	0.6	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°	282.1	72.1
0°-40°	352.7	90.2
0°-60°	385.4	98.6
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	490	
5°	483	45
15°	418	116
25°	267	121
35°	110	71
45°	32	26
55°	5	6
65°	3	3
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P1290345

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	489.6
2.5°	488.2
5°	482.8
7.5°	474.2
10°	460.9
12.5°	442.3
15°	417.9
17.5°	387.0
20°	350.8
22.5°	310.3
25°	267.2
27.5°	223.1
30°	181.1
32.5°	143.1
35°	110.5
37.5°	83.9
40°	62.1
42.5°	44.5
45°	32.3
47.5°	23.3
50°	15.8
52.5°	9.0
55°	5.0
57.5°	4.3
60°	3.9
62.5°	3.6
65°	3.2
67.5°	2.9
70°	2.5
72.5°	2.2
75°	1.8
77.5°	1.4
80°	1.1
82.5°	0.7
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)