

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: P1290349

Luminaire Tested: P3A05R55W2N902750DE010 E3DL1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290349
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

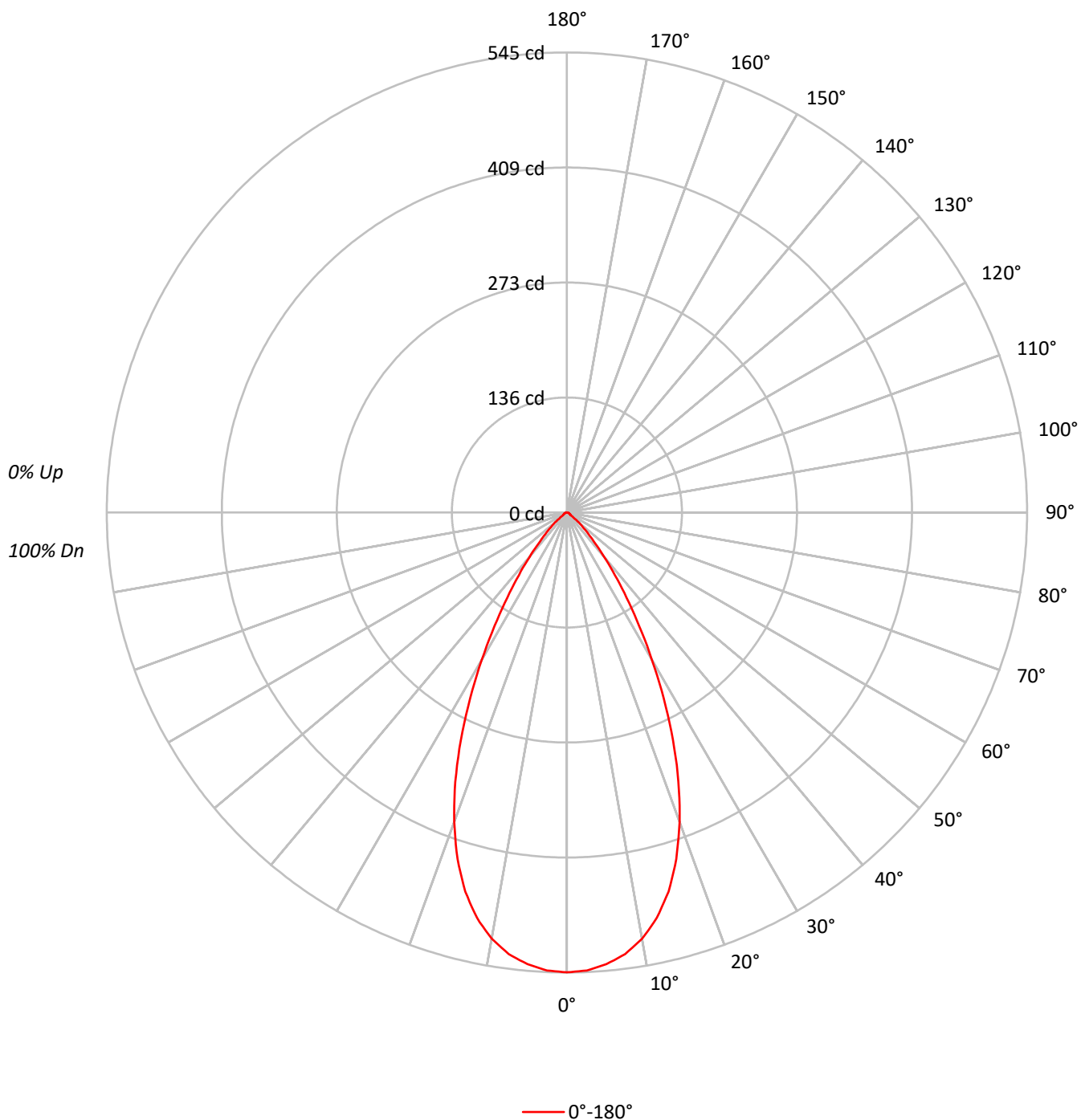
Lumens per Lamp: N/A
Luminaire Lumens: 435.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290349

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290349

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	119442
5°	118226
10°	114182
15°	105540
20°	91078
25°	71932
30°	51021
35°	32899
40°	19751
45°	11133
50°	6004
55°	2141
60°	1930
65°	1868
70°	1795
75°	1694
80°	1515
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11133 cd/sqm

TEST NUMBER: P1290349

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	11.6
10°-20°	128.6	29.6
20°-30°	134.7	31.0
30°-40°	78.6	18.1
40°-50°	29.4	6.8
50°-60°	6.9	1.6
60°-70°	3.6	0.8
70°-80°	2.1	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°	313.8	72.1
0°-40°	392.4	90.2
0°-60°	428.7	98.6
0°-90°	435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	545	
5°	537	51
15°	465	129
25°	297	135
35°	123	79
45°	36	29
55°	6	7
65°	4	4
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1290349

CATALOG NUMBER: P3A05R55W2N902750DE010 E3DL1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	544.7
2.5°	543.1
5°	537.1
7.5°	527.6
10°	512.8
12.5°	492.0
15°	464.9
17.5°	430.6
20°	390.3
22.5°	345.2
25°	297.3
27.5°	248.2
30°	201.5
32.5°	159.2
35°	122.9
37.5°	93.4
40°	69.0
42.5°	49.5
45°	35.9
47.5°	25.9
50°	17.6
52.5°	10.0
55°	5.6
57.5°	4.8
60°	4.4
62.5°	4.0
65°	3.6
67.5°	3.2
70°	2.8
72.5°	2.4
75°	2.0
77.5°	1.6
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)