

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: P1290036

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1WH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DL1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

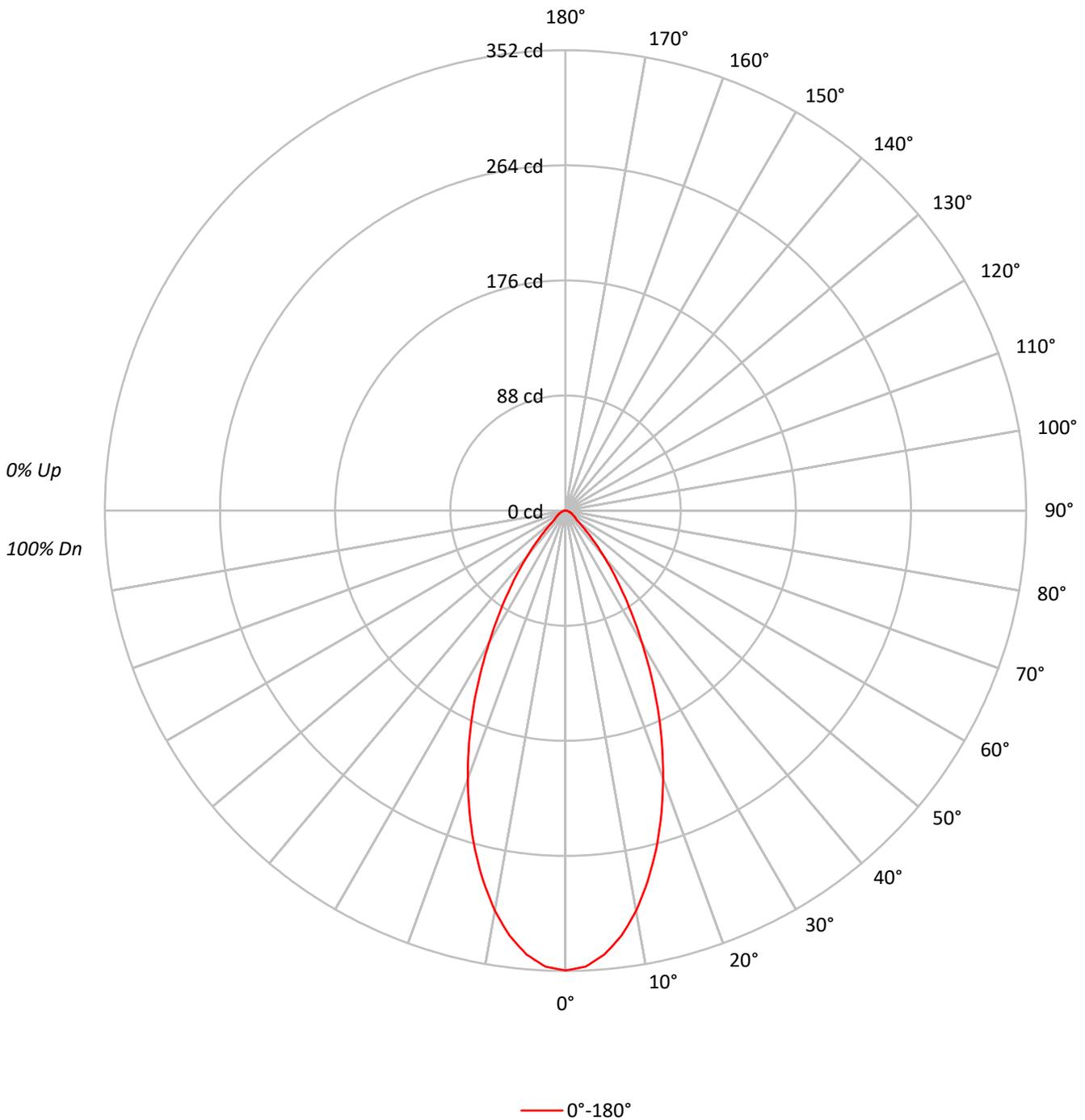
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
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	100			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79			79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73			73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68			68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53			53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77077
5°	74994
10°	69159
15°	60818
20°	50894
25°	40357
30°	29599
35°	20345
40°	12939
45°	7226
50°	3923
55°	3288
60°	2851
65°	2594
70°	2308
75°	2118
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	11.9
10°-20°	74.2	28.0
20°-30°	75.9	28.6
30°-40°	48.1	18.2
40°-50°	19.2	7.2
50°-60°	7.8	2.9
60°-70°	5.0	1.9
70°-80°	2.6	1.0
80°-90°	0.8	0.3
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°	181.7	68.6
0°-40°	229.8	86.7
0°-60°	256.7	96.9
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	341	32
15°	268	74
25°	167	76
35°	76	48
45°	23	19
55°	9	8
65°	5	5
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	351.5
2.5°	349.0
5°	340.7
7.5°	327.8
10°	310.6
12.5°	290.2
15°	267.9
17.5°	243.5
20°	218.1
22.5°	192.6
25°	166.8
27.5°	141.0
30°	116.9
32.5°	95.4
35°	76.0
37.5°	59.5
40°	45.2
42.5°	33.4
45°	23.3
47.5°	15.8
50°	11.5
52.5°	9.7
55°	8.6
57.5°	7.5
60°	6.5
62.5°	5.7
65°	5.0
67.5°	4.3
70°	3.6
72.5°	2.9
75°	2.5
77.5°	1.8
80°	1.4
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)