

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: P1289402

Luminaire Tested: P3A05R40W2N902750DE010 E3D1LI_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R40W2N902750DE010 E3D1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

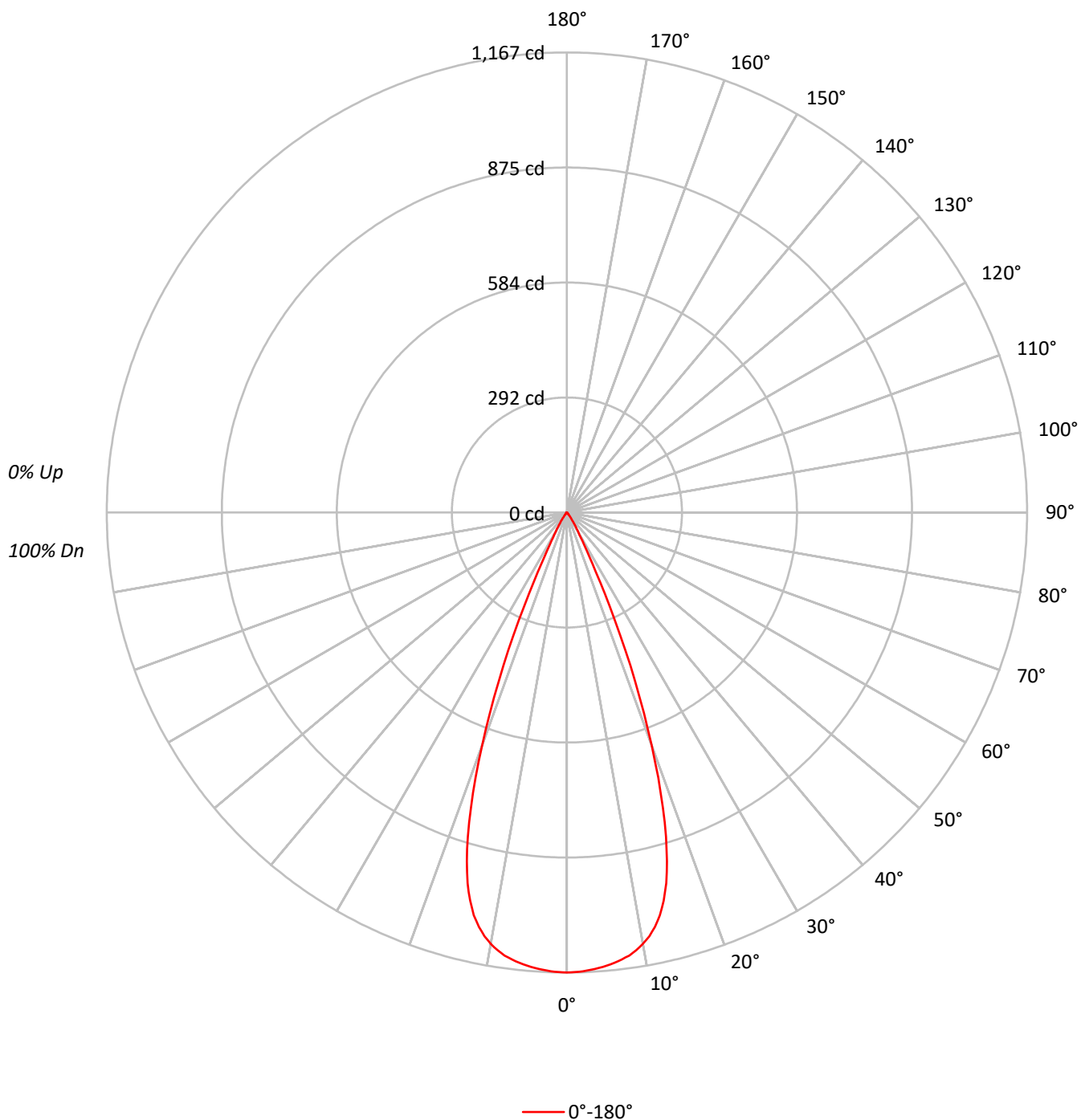
Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	98	98	98	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	94	94	94	94	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	90	90	90	90	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	86	86	86	86	86	86	86	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	83	83	83	83	83	83	83	83	82
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	80	80	80	80	80	80	80	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	77	77	77	77	77	77	77	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	74	74	74	74	74	74	74	74	74	74	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	71	71	71	71	71	71	71	71	71	71	71	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	69	69	69	69	69	69	69	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	255879
5°	254039
10°	247379
15°	220977
20°	146523
25°	54898
30°	14686
35°	5729
40°	2061
45°	992
50°	307
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	21.7
10°-20°	257.9	51.4
20°-30°	117.0	23.3
30°-40°	15.2	3.0
40°-50°	2.6	0.5
50°-60°	0.3	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	483.8	96.4
0°-40°	499.0	99.4
0°-60°	501.9	100.0
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1167	
5°	1154	109
15°	973	258
25°	227	117
35°	21	15
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1166.9
1°	1166.2
2°	1164.5
3°	1161.8
4°	1158.5
5°	1154.1
6°	1149.0
7°	1142.7
8°	1134.9
9°	1124.4
10°	1111.0
11°	1095.4
12°	1074.5
13°	1048.6
14°	1014.9
15°	973.4
16°	920.5
17°	860.2
18°	787.8
19°	711.4
20°	627.9
21°	544.4
22°	462.2
23°	380.3
24°	299.8
25°	226.9
26°	168.0
27°	123.0
28°	92.4
29°	71.9
30°	58.0
31°	48.0
32°	40.1
32.5°	36.6
33°	33.0
34°	26.9
35°	21.4
36°	16.9
37°	13.4
37.5°	12.0
38°	10.5
39°	8.8
40°	7.2
42.5°	4.7
45°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.9
50°	0.9
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)