

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: P1288743

Luminaire Tested: P3A05R30W2N902750DE010 E3D1LI_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30W2N902750DE010 E3D1LI_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

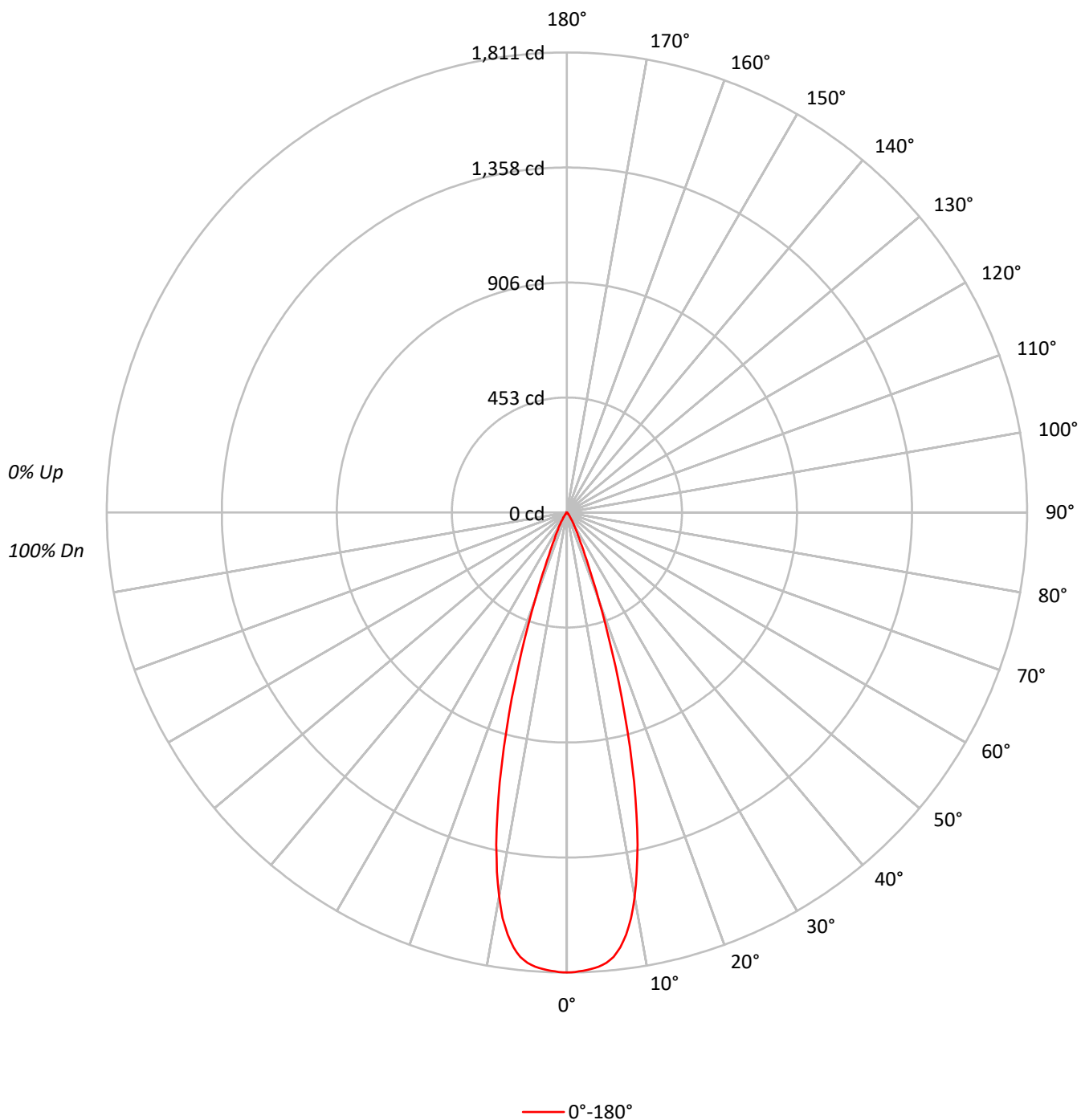
Lumens per Lamp: N/A
Luminaire Lumens: 499.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	87	86	85
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	84	83	82
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	81	80	79
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79	78	77
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	77	76	75
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	75	74	73
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	397030
5°	391833
10°	342122
15°	217459
20°	86154
25°	28768
30°	13394
35°	6077
40°	2319
45°	1147
50°	341
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: 1147 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	32.6
10°-20°	252.4	50.6
20°-30°	65.1	13.0
30°-40°	15.3	3.1
40°-50°	3.0	0.6
50°-60°	0.4	0.1
60°-70°	0.2	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°	480.2	96.2
0°-40°	495.5	99.3
0°-60°	498.8	100.0
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1811	
5°	1780	163
15°	958	252
25°	119	65
35°	23	15
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1810.6
1°	1809.2
2°	1804.9
3°	1800.1
4°	1792.9
5°	1780.1
6°	1759.4
7°	1724.9
8°	1677.9
9°	1616.5
10°	1536.5
11°	1441.4
12°	1337.5
13°	1218.0
14°	1092.9
15°	957.9
16°	825.6
17°	698.1
18°	575.9
19°	463.7
20°	369.2
21°	290.6
22°	228.6
23°	180.9
24°	144.9
25°	118.9
26°	99.2
27°	84.3
28°	72.8
29°	62.4
30°	52.9
32.5°	33.3
35°	22.7
37.5°	14.1
40°	8.1
42.5°	5.4
45°	3.7
47.5°	2.1
50°	1.0
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.2
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)