

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: P1288745

Luminaire Tested: P3A05R30W2N902750DE010 E3D1LI_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288745
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

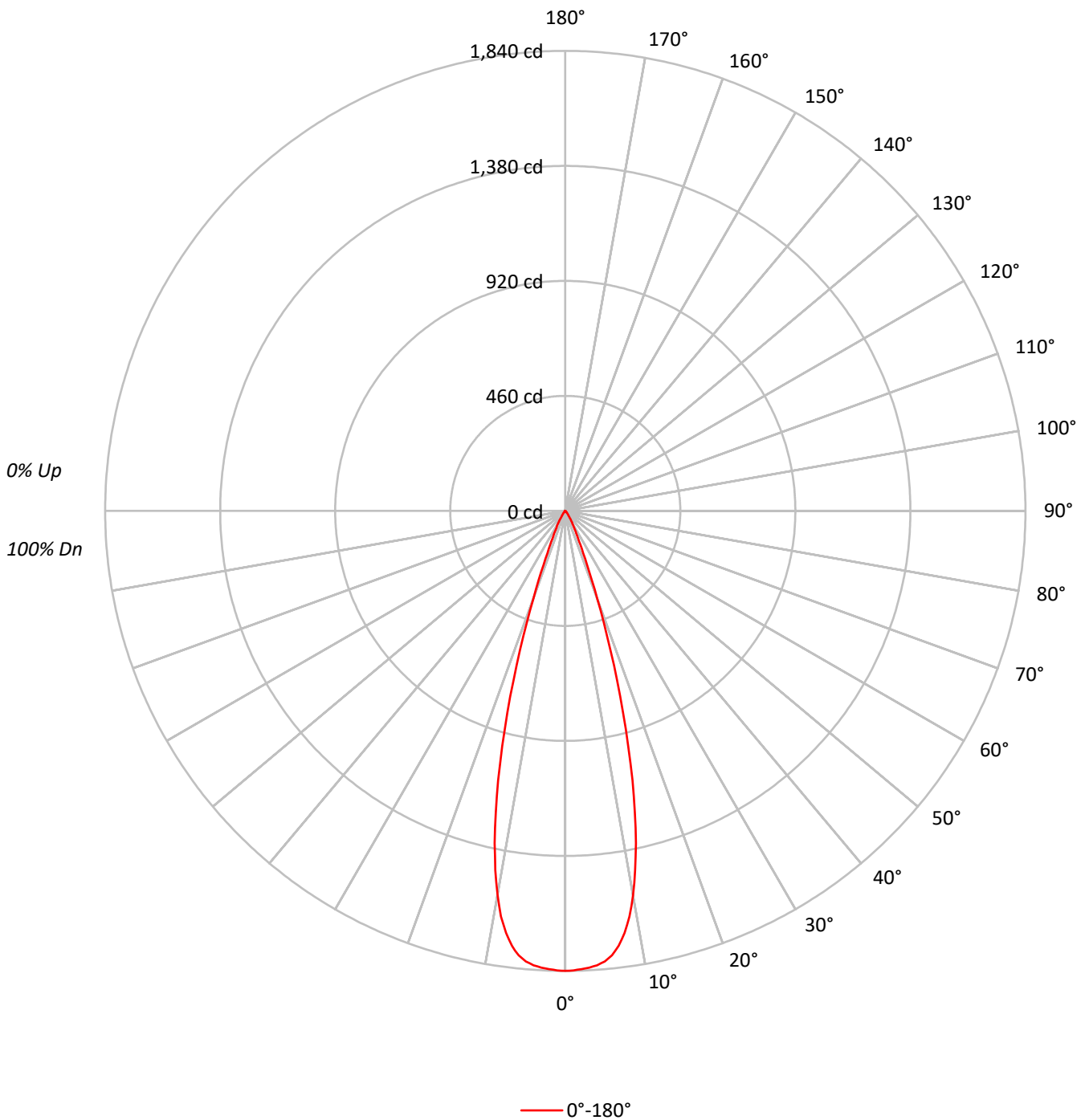
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 507.0 lumens
Efficiency: N/A
Efficacy: 85.9 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

TEST NUMBER: P1288745
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1LI_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1288745
 CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1LI_4000K

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
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	88	86	85
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	82
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	403389
5°	398128
10°	347600
15°	220932
20°	87531
25°	29227
30°	13597
35°	6157
40°	2376
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



TEST NUMBER: P1288745

CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	32.6
10°-20°	256.4	50.6
20°-30°	66.1	13.0
30°-40°	15.5	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°	487.9	96.2
0°-40°	503.5	99.3
0°-60°	506.8	100.0
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1840	
5°	1809	165
15°	973	256
25°	121	66
35°	23	16
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1288745
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1839.6
1°	1838.2
2°	1833.9
3°	1829.0
4°	1821.7
5°	1808.7
6°	1787.6
7°	1752.6
8°	1704.8
9°	1642.4
10°	1561.1
11°	1464.5
12°	1359.0
13°	1237.5
14°	1110.4
15°	973.2
16°	838.8
17°	709.3
18°	585.1
19°	471.2
20°	375.1
21°	295.2
22°	232.2
23°	183.8
24°	147.2
25°	120.8
26°	100.8
27°	85.6
28°	74.0
29°	63.4
30°	53.7
32.5°	33.9
35°	23.0
37.5°	14.4
40°	8.3
42.5°	5.5
45°	3.7
47.5°	2.2
50°	1.0
52.5°	0.4
55°	0.4
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



TEST NUMBER: P1288745
CATALOG NUMBER: P3A05R30W2N902750DE010 E3D1LI_4000K

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)