

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: P1288771

Luminaire Tested: P3A05R30W2N902750DE010 E3DL1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R30W2N902750DE010 E3DL1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

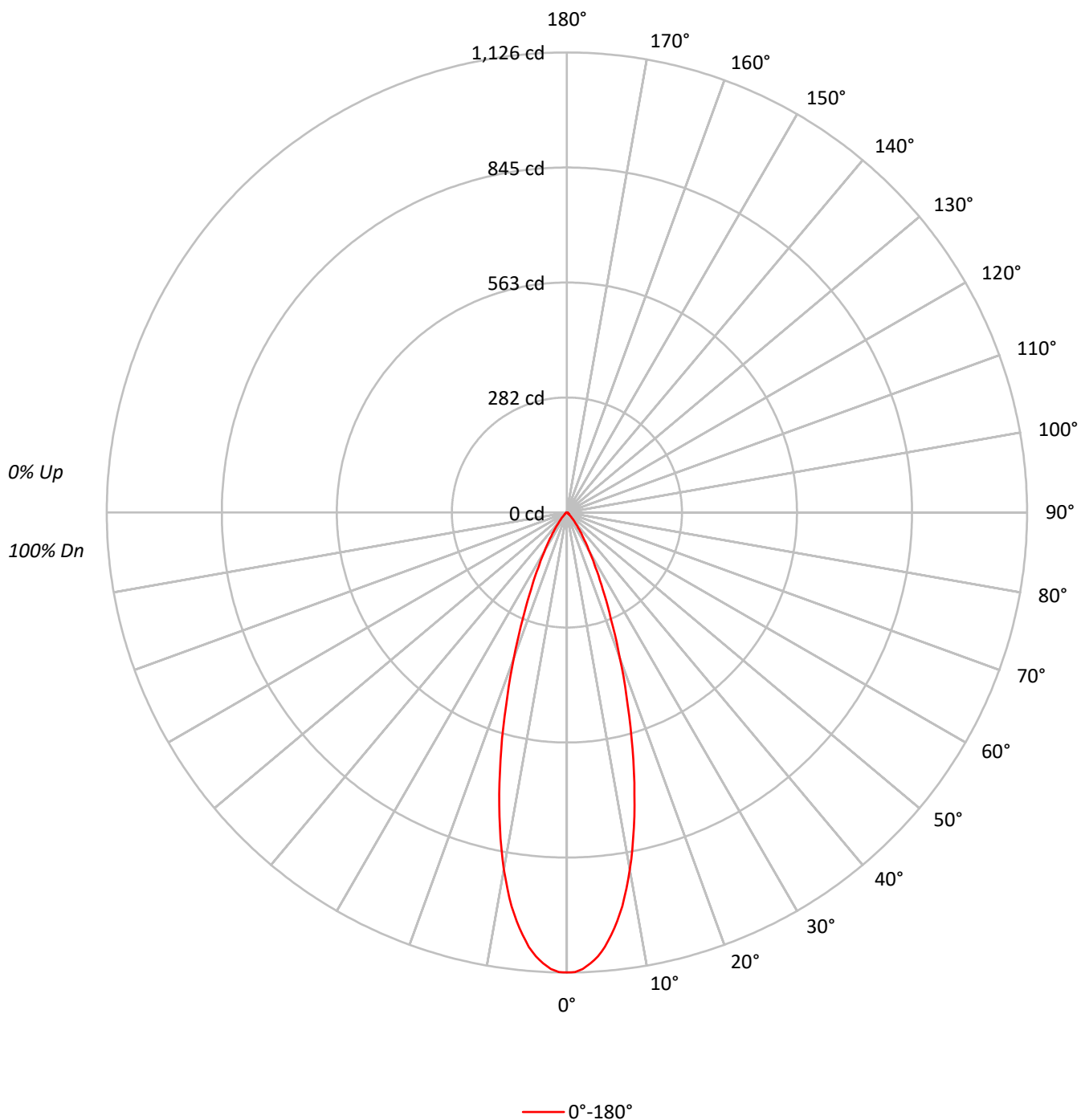
Lumens per Lamp: N/A
Luminaire Lumens: 423.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1288771

CATALOG NUMBER: P3A05R30W2N902750DE010 E3DL1H_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1288771

CATALOG NUMBER: P3A05R30W2N902750DE010 E3DL1H_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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97		95
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95	93	92		90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87		86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83		82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79		78
6	94	86	81	78	92	85	81	77	84	80	77		83	79	76		81	78	76		75
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		78	75	73		71
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76	72	70		69
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73	70	67		66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65		63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246844
5°	234932
10°	197614
15°	142521
20°	88394
25°	50277
30°	27928
35°	15178
40°	8015
45°	4342
50°	2320
55°	1529
60°	1403
65°	1453
70°	1282
75°	1017
80°	1010
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4342 cd/sqm

TEST NUMBER: P1288771

CATALOG NUMBER: P3A05R30W2N902750DE010 E3DL1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	22.7
10°-20°	170.8	40.4
20°-30°	98.7	23.3
30°-40°	37.5	8.9
40°-50°	11.5	2.7
50°-60°	3.9	0.9
60°-70°	2.6	0.6
70°-80°	1.4	0.3
80°-90°	0.4	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°	365.7	86.4
0°-40°	403.1	95.3
0°-60°	418.5	98.9
0°-90°	423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	423.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1126	
5°	1067	96
15°	628	171
25°	208	99
35°	57	37
45°	14	12
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1288771

CATALOG NUMBER: P3A05R30W2N902750DE010 E3DL1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1125.7
1°	1124.9
2°	1118.1
3°	1105.3
4°	1089.3
5°	1067.3
6°	1039.3
7°	1008.2
8°	973.4
9°	931.8
10°	887.5
11°	839.5
12°	788.8
13°	735.6
14°	681.7
15°	627.8
17.5°	495.1
20°	378.8
22.5°	280.9
25°	207.8
27.5°	151.0
30°	110.3
32.5°	79.5
35°	56.7
37.5°	39.6
40°	28.0
42.5°	19.6
45°	14.0
47.5°	9.6
50°	6.8
52.5°	4.8
55°	4.0
57.5°	3.6
60°	3.2
62.5°	2.8
65°	2.8
67.5°	2.4
70°	2.0
72.5°	1.6
75°	1.2
77.5°	1.2
80°	0.8
82.5°	0.8
85°	0.4
87.5°	0.0



TEST NUMBER: P1288771

CATALOG NUMBER: P3A05R30W2N902750DE010 E3DL1H_5000K

CANDELA DISTRIBUTION (continued):



(END OF REPORT)