

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: P1289406

Luminaire Tested: P3A05R40W2N902750DE010 E3D1LI_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289406
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

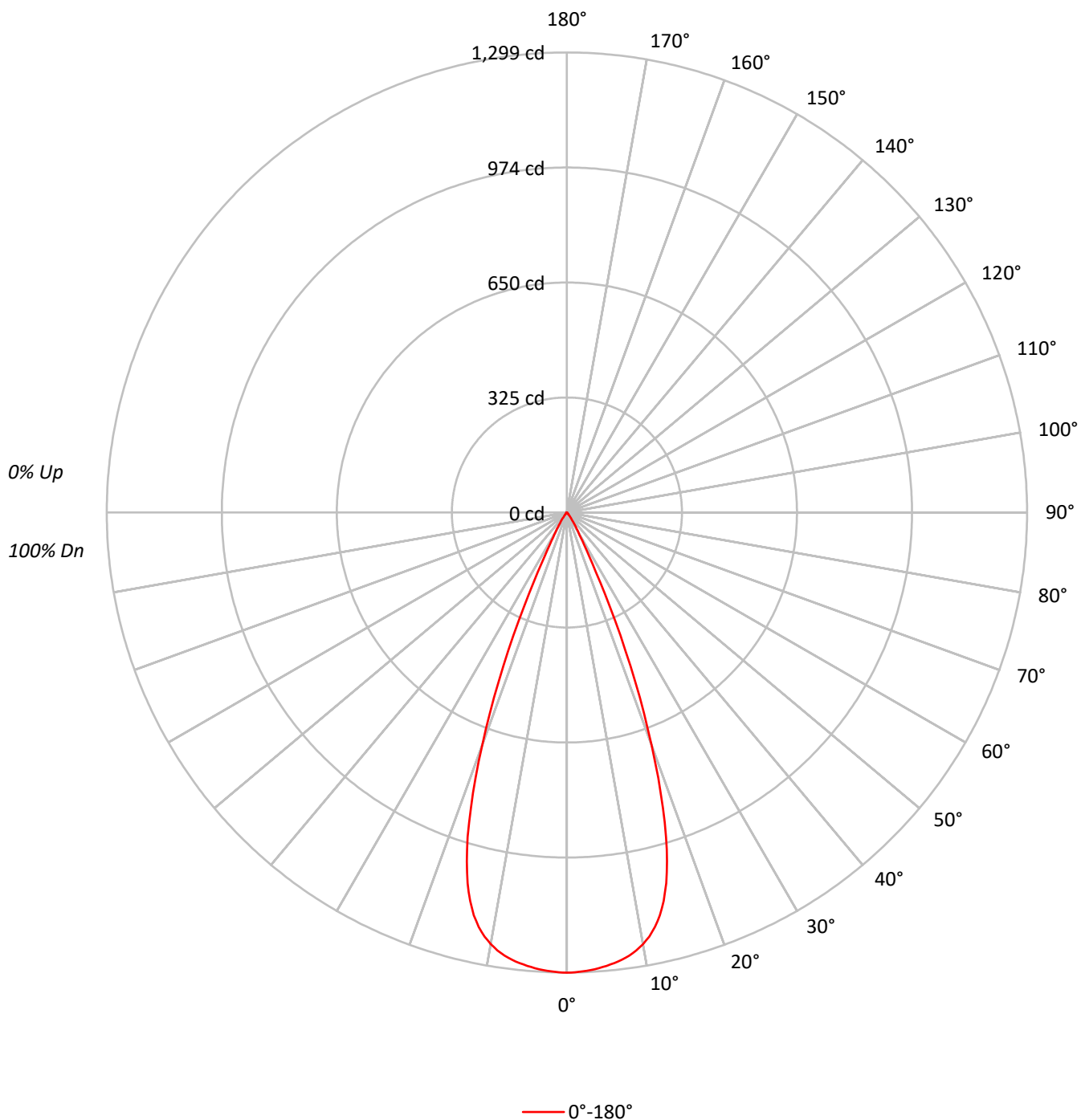
Lumens per Lamp: N/A
Luminaire Lumens: 559.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1289406

CATALOG NUMBER: P3A05R40W2N902750DE010 E3D1LI_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1289406

CATALOG NUMBER: P3A05R40W2N902750DE010 E3D1LI_5000K

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	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88			
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	79			
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76			
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73			
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70			
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	74	71	69	68			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284933
5°	282874
10°	275479
15°	246063
20°	163161
25°	61116
30°	16357
35°	6398
40°	2290
45°	1085
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: 1085 cd/sqm

TEST NUMBER: P1289406

CATALOG NUMBER: P3A05R40W2N902750DE010 E3D1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	21.7
10°-20°	287.2	51.4
20°-30°	130.2	23.3
30°-40°	16.9	3.0
40°-50°	2.9	0.5
50°-60°	0.4	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°	538.7	96.4
0°-40°	555.6	99.4
0°-60°	558.9	100.0
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1299	
5°	1285	121
15°	1084	287
25°	253	130
35°	24	17
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1289406

CATALOG NUMBER: P3A05R40W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1299.4
1°	1298.6
2°	1296.7
3°	1293.7
4°	1290.0
5°	1285.1
6°	1279.4
7°	1272.4
8°	1263.8
9°	1252.1
10°	1237.2
11°	1219.8
12°	1196.5
13°	1167.7
14°	1130.1
15°	1083.9
16°	1025.0
17°	957.9
18°	877.3
19°	792.2
20°	699.2
21°	606.3
22°	514.7
23°	423.5
24°	333.9
25°	252.6
26°	187.1
27°	137.0
28°	102.9
29°	80.0
30°	64.6
31°	53.4
32°	44.6
32.5°	40.7
33°	36.8
34°	29.9
35°	23.9
36°	18.8
37°	14.9
37.5°	13.3
38°	11.7
39°	9.8
40°	8.0
42.5°	5.3
45°	3.5



TEST NUMBER: P1289406

CATALOG NUMBER: P3A05R40W2N902750DE010 E3D1LI_5000K

CANDELA DISTRIBUTION (continued):

	0°
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
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)