

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: P1264496

Luminaire Tested: P3A05R709730DE010 E3D1H

Issue Date: 1/29/2026

**Test Information**

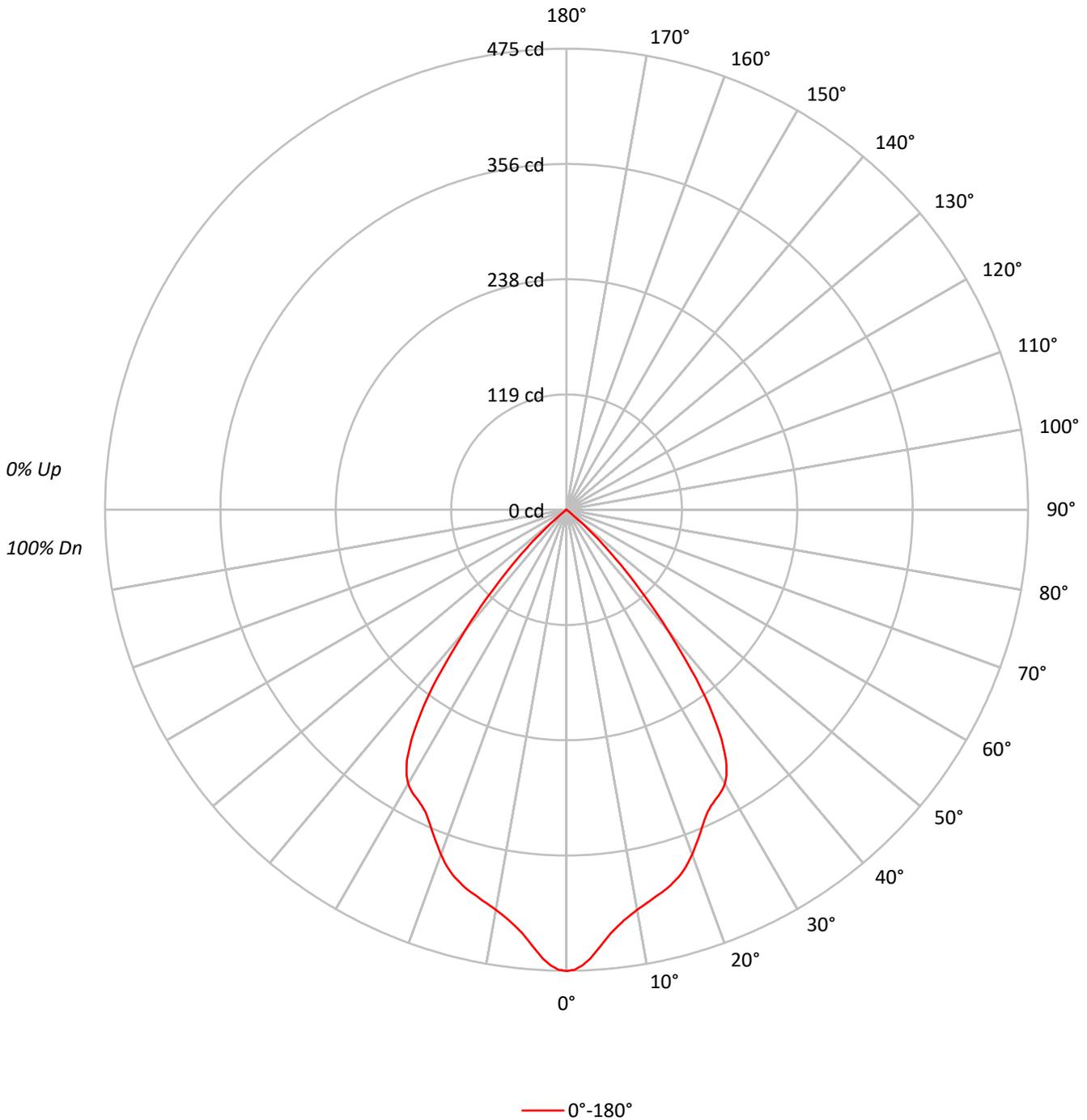
Test Method: LM-79-2019  
Report Number: P1264496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R709730DE010 E3D1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3D1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 536.0 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1264496  
CATALOG NUMBER: P3A05R709730DE010 E3D1H

### Luminous Intensity Polar Plot





TEST NUMBER: P1264496  
 CATALOG NUMBER: P3A05R709730DE010 E3D1H

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57			57
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	104224
5°	98261
10°	93185
15°	91510
20°	88208
25°	83134
30°	82544
35°	71902
40°	46516
45°	21987
50°	3070
55°	268
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21987 cd/sqm



TEST NUMBER: P1264496  
 CATALOG NUMBER: P3A05R709730DE010 E3D1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.7	7.8
10°-20°	113.2	21.1
20°-30°	160.1	29.9
30°-40°	160.9	30.0
40°-50°	57.9	10.8
50°-60°	1.6	0.3
60°-70°	0.3	0.1
70°-80°	0.2	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°	315.0	58.8
0°-40°	476.0	88.8
0°-60°	535.4	99.9
0°-90°	536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	475	
5°	446	42
15°	403	113
25°	344	160
35°	269	161
45°	71	58
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1264496  
CATALOG NUMBER: P3A05R709730DE010 E3D1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	475.3
1°	474.0
2°	469.8
3°	463.2
4°	454.8
5°	446.4
6°	438.5
7°	432.4
8°	426.9
9°	422.5
10°	418.5
11°	415.2
12°	412.1
13°	409.0
14°	406.2
15°	403.1
16°	399.3
17°	395.4
18°	390.5
19°	384.6
20°	378.0
21°	370.7
22°	363.5
23°	356.4
24°	349.6
25°	343.6
26°	339.5
27°	336.2
28°	333.5
29°	330.4
30°	326.0
31°	319.6
32°	310.6
32.5°	305.6
33°	298.7
34°	285.3
35°	268.6
36°	250.1
37°	229.2
37.5°	219.5
38°	206.3
39°	182.7
40°	162.5
42.5°	112.5
45°	70.9



TEST NUMBER: P1264496  
CATALOG NUMBER: P3A05R709730DE010 E3D1H

**CANDELA DISTRIBUTION (continued):**

	0°
47.5°	38.1
50°	9.0
52.5°	1.1
55°	0.7
57.5°	0.7
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)