

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: P1269085

Luminaire Tested: P3A05R409740DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269085
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: P3A05R409740DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

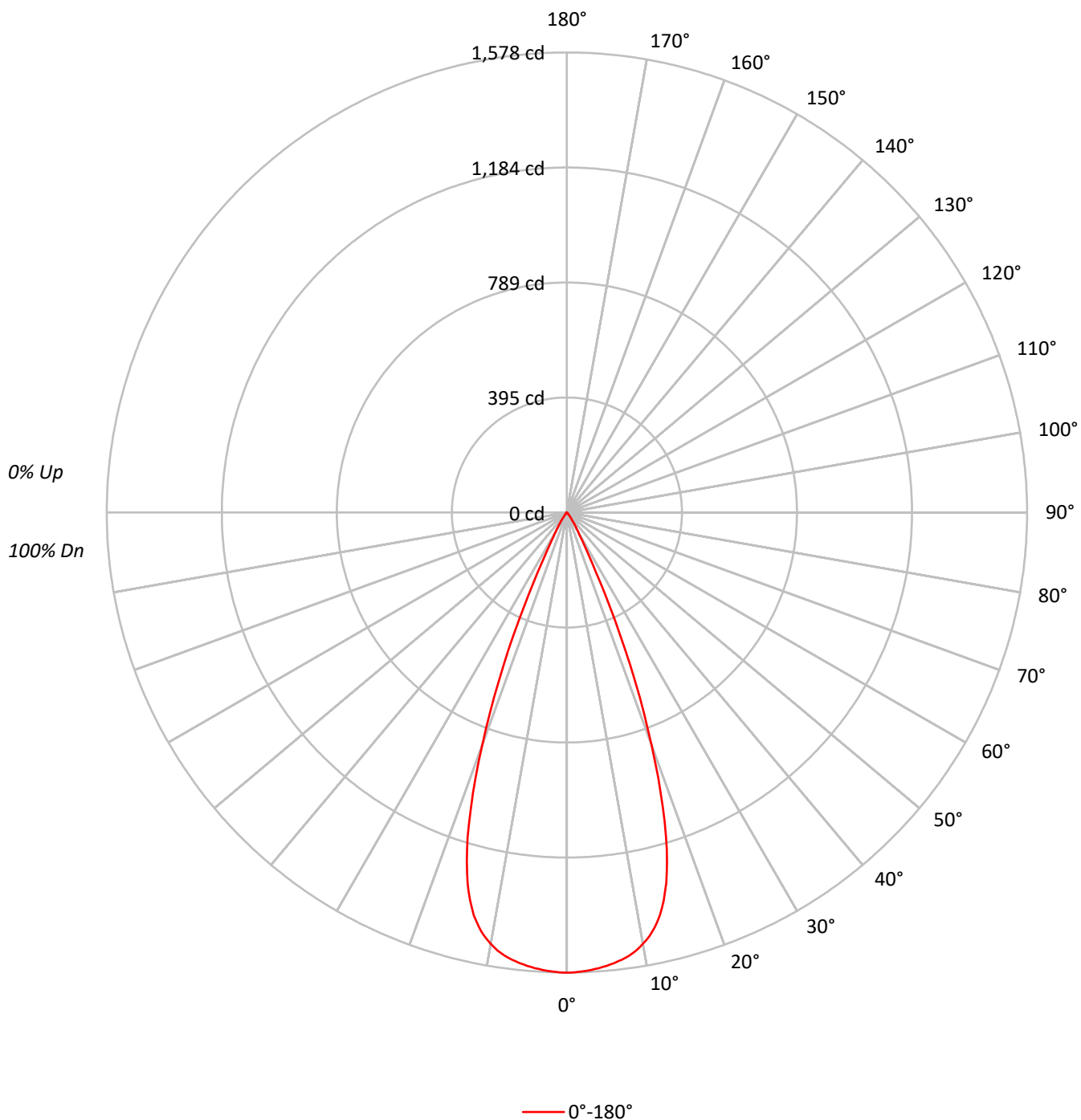
Lumens per Lamp: N/A
Luminaire Lumens: 679.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1269085

CATALOG NUMBER: P3A05R409740DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1269085

CATALOG NUMBER: P3A05R409740DE010 E3D1LI

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		75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	346113
5°	343605
10°	334619
15°	298889
20°	198187
25°	74254
30°	19851
35°	7763
40°	2777
45°	1333
50°	409
55°	191
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1333 cd/sqm

TEST NUMBER: P1269085

CATALOG NUMBER: P3A05R409740DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	21.7
10°-20°	348.9	51.4
20°-30°	158.2	23.3
30°-40°	20.5	3.0
40°-50°	3.5	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°	654.4	96.4
0°-40°	674.9	99.4
0°-60°	678.8	100.0
0°-90°	679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1578	
5°	1561	147
15°	1317	349
25°	307	158
35°	29	21
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1269085

CATALOG NUMBER: P3A05R409740DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1578.4
1°	1577.4
2°	1575.0
3°	1571.5
4°	1566.9
5°	1561.0
6°	1554.1
7°	1545.5
8°	1535.1
9°	1520.8
10°	1502.8
11°	1481.6
12°	1453.3
13°	1418.4
14°	1372.7
15°	1316.6
16°	1245.1
17°	1163.6
18°	1065.6
19°	962.2
20°	849.3
21°	736.4
22°	625.2
23°	514.4
24°	405.5
25°	306.9
26°	227.2
27°	166.4
28°	125.0
29°	97.2
30°	78.4
31°	64.9
32°	54.2
32.5°	49.4
33°	44.7
34°	36.4
35°	29.0
36°	22.8
37°	18.1
37.5°	16.2
38°	14.3
39°	11.9
40°	9.7
42.5°	6.4
45°	4.3

TEST NUMBER: P1269085

CATALOG NUMBER: P3A05R409740DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	2.6
50°	1.2
52.5°	0.5
55°	0.5
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)