

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: P1246322

Luminaire Tested: P3A05R709024DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R709024DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

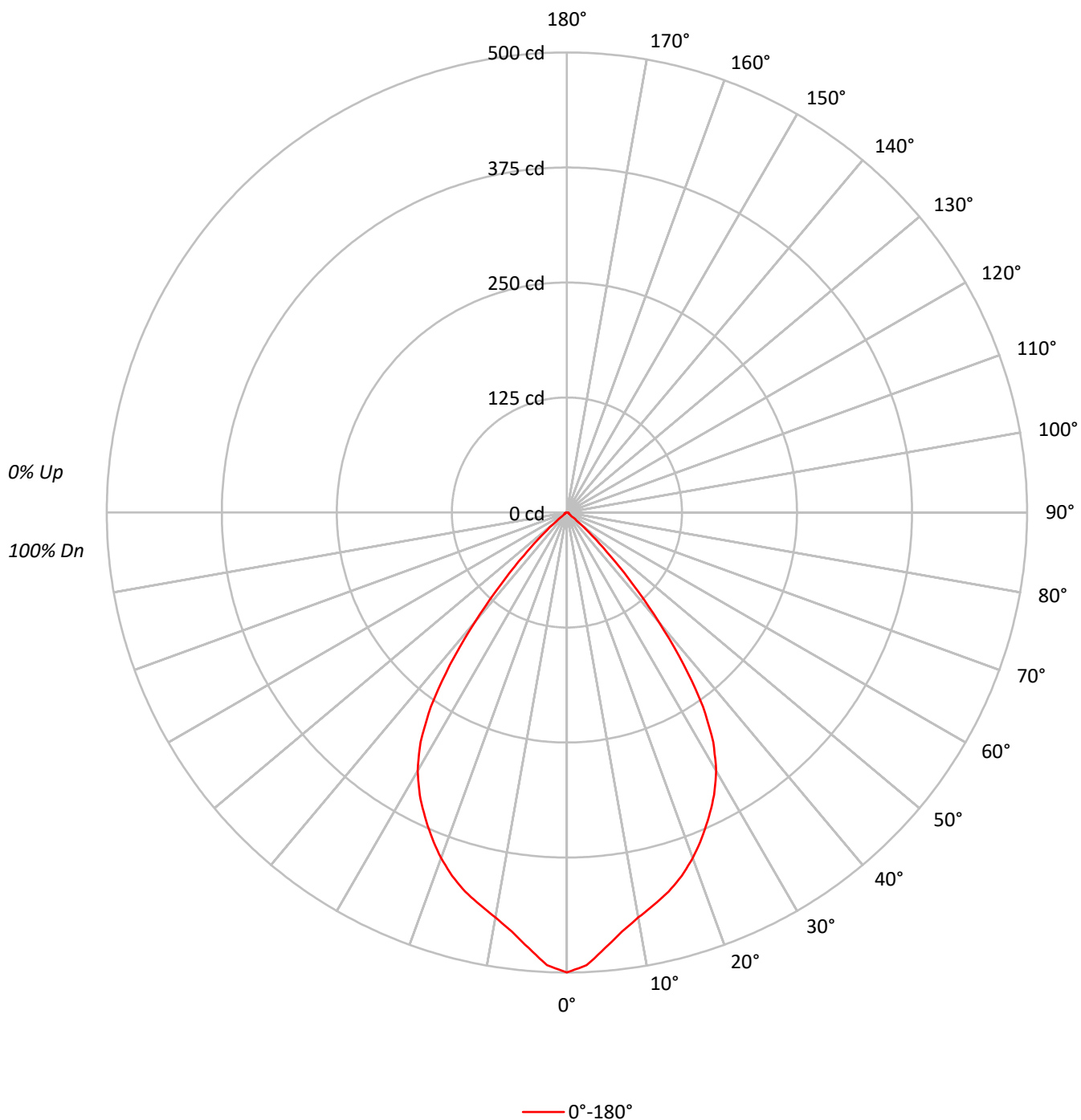
Lumens per Lamp: N/A
Luminaire Lumens: 552.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246322

CATALOG NUMBER: P3A05R709024DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1246322

CATALOG NUMBER: P3A05R709024DE010 E3CD1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109618
5°	104600
10°	99508
15°	96845
20°	93271
25°	88287
30°	82114
35°	68984
40°	44455
45°	20653
50°	5424
55°	1338
60°	1360
65°	1141
70°	1154
75°	1101
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20653 cd/sqm

TEST NUMBER: P1246322

CATALOG NUMBER: P3A05R709024DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	8.1
10°-20°	119.9	21.7
20°-30°	167.5	30.3
30°-40°	155.3	28.1
40°-50°	55.7	10.1
50°-60°	4.7	0.9
60°-70°	2.3	0.4
70°-80°	1.5	0.3
80°-90°	0.6	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°	331.9	60.1
0°-40°	487.2	88.3
0°-60°	547.6	99.2
0°-90°	552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	552.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	500	
5°	475	44
15°	427	120
25°	365	167
35°	258	155
45°	67	56
55°	4	5
65°	2	2
75°	1	2
85°	0	1
90°	0	

TEST NUMBER: P1246322

CATALOG NUMBER: P3A05R709024DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	499.9
2.5°	492.4
5°	475.2
7.5°	459.3
10°	446.9
12.5°	436.8
15°	426.6
17.5°	414.3
20°	399.7
22.5°	383.0
25°	364.9
27.5°	346.3
30°	324.3
32.5°	296.0
35°	257.7
37.5°	208.7
40°	155.3
42.5°	105.9
45°	66.6
47.5°	37.1
50°	15.9
52.5°	5.3
55°	3.5
57.5°	3.1
60°	3.1
62.5°	2.6
65°	2.2
67.5°	2.2
70°	1.8
72.5°	1.8
75°	1.3
77.5°	1.3
80°	0.9
82.5°	0.9
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)