

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: P1248376

Luminaire Tested: P3AS05R159027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R159027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

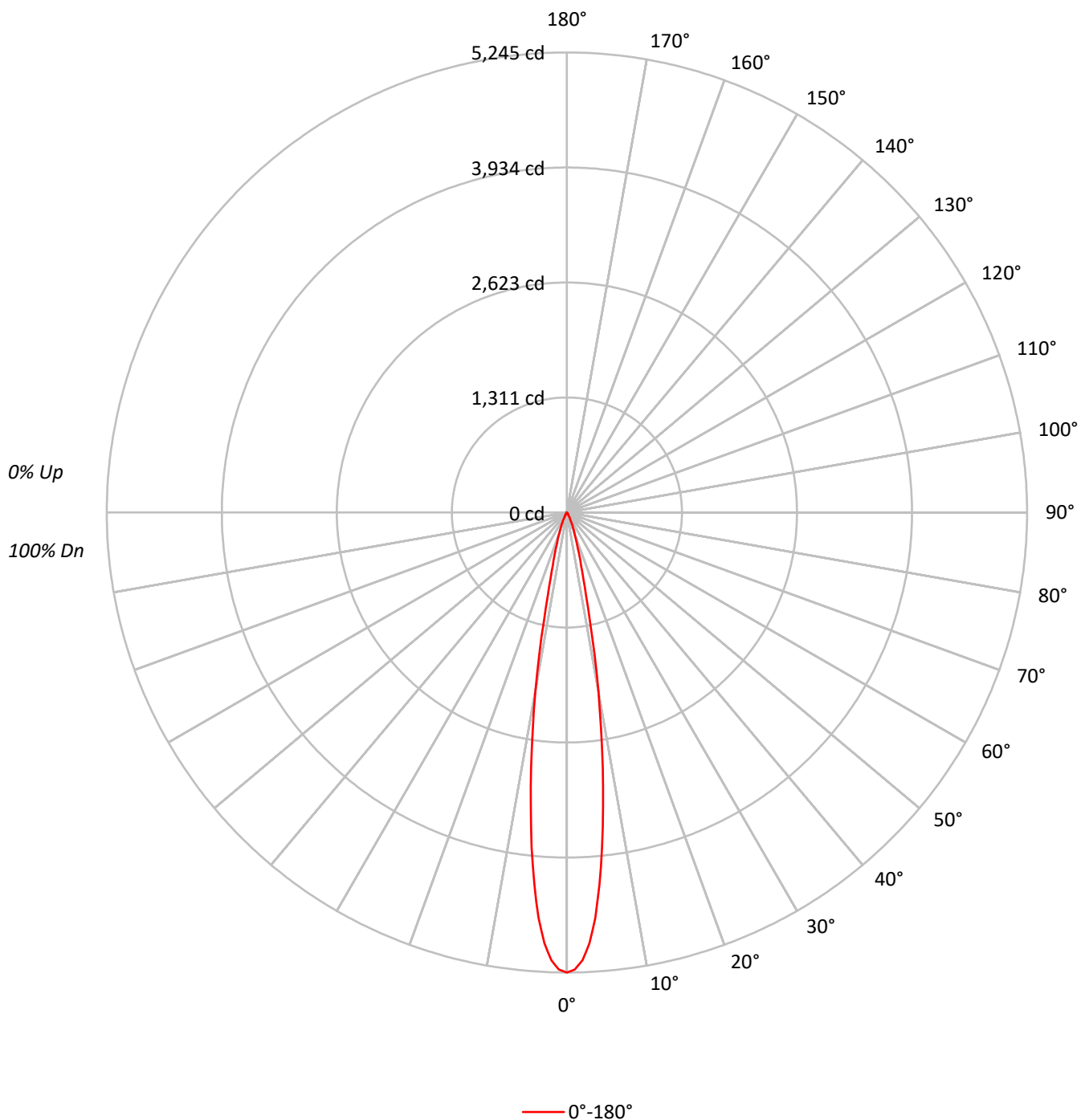
Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1248376

CATALOG NUMBER: P3AS05R159027DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1248376

CATALOG NUMBER: P3AS05R159027DE010 E3D1LI

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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	102	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	96	106	101	98	96	99	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	94	92		96	93	92		94
6	102	97	94	91	101	96	93	91	95	92	90		94	92	90		93
7	100	95	91	89	99	94	91	89	93	90	88		92	90	88		91
8	98	93	89	87	97	92	89	87	91	89	87		91	88	86		90
9	96	91	88	85	96	91	87	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	88	85	83		88	85	83		87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1150171
5°	937880
10°	459332
15°	140591
20°	59529
25°	26929
30°	10508
35°	4845
40°	1517
45°	558
50°	239
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 558 cd/sqm

TEST NUMBER: P1248376

CATALOG NUMBER: P3AS05R159027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.7	54.9
10°-20°	203.5	33.7
20°-30°	54.7	9.1
30°-40°	12.0	2.0
40°-50°	1.7	0.3
50°-60°	0.3	0.0
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°	589.8	97.7
0°-40°	601.9	99.7
0°-60°	603.9	100.0
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5245	
5°	4261	332
15°	619	204
25°	111	55
35°	18	12
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1248376

CATALOG NUMBER: P3AS05R159027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	5245.2
1°	5212.5
2°	5107.3
3°	4917.9
4°	4632.8
5°	4260.8
6°	3840.1
7°	3371.5
8°	2941.0
9°	2484.5
10°	2062.9
11°	1645.6
12°	1266.1
13°	973.8
14°	770.9
15°	619.3
17.5°	383.9
20°	255.1
22.5°	171.8
25°	111.3
27.5°	66.0
30°	41.5
32.5°	27.9
35°	18.1
37.5°	10.1
40°	5.3
42.5°	3.0
45°	1.8
47.5°	1.1
50°	0.7
52.5°	0.5
55°	0.2
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



TEST NUMBER: P1248376

CATALOG NUMBER: P3AS05R159027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)