

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: P1267576

Luminaire Tested: P3A13R559735DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559735DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

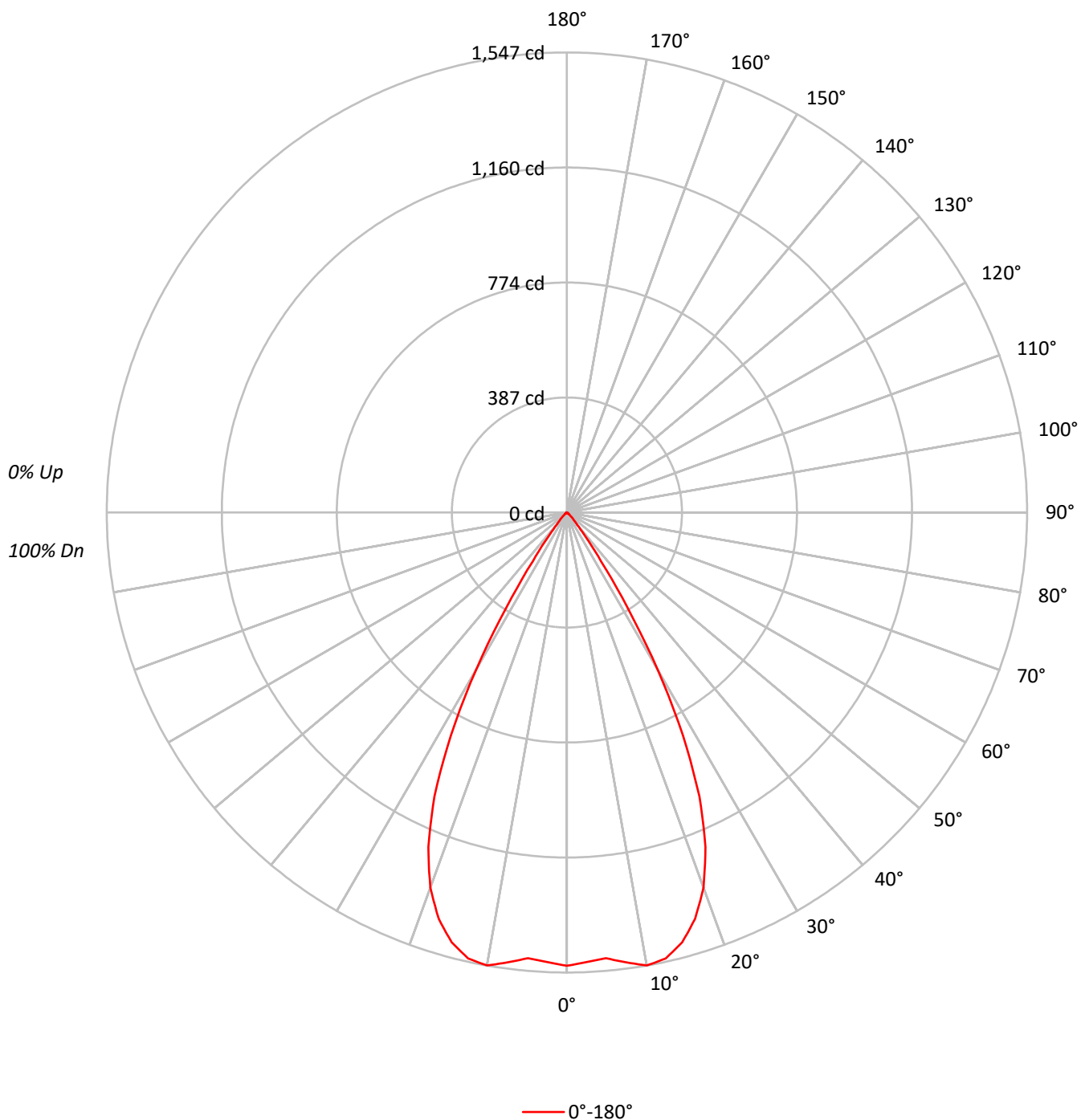
Lumens per Lamp: N/A
Luminaire Lumens: 1204.9 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1267576

CATALOG NUMBER: P3A13R559735DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1267576

CATALOG NUMBER: P3A13R559735DE010 E3CD1MW

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	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		86
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74
8	83	74	69	65	82	74	69	65	73	68	65		72	67	64		71
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	334206
5°	331102
10°	344416
15°	339639
20°	313184
25°	254821
30°	154783
35°	53565
40°	15286
45°	7288
50°	3104
55°	1376
60°	1579
65°	1401
70°	1154
75°	1525
80°	1137
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7288 cd/sqm

TEST NUMBER: P1267576

CATALOG NUMBER: P3A13R559735DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	12.1
10°-20°	415.8	34.5
20°-30°	463.5	38.5
30°-40°	151.6	12.6
40°-50°	20.0	1.7
50°-60°	4.2	0.3
60°-70°	2.4	0.2
70°-80°	1.5	0.1
80°-90°	0.4	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°	1024.8	85.0
0°-40°	1176.4	97.6
0°-60°	1200.6	99.6
0°-90°	1204.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1204.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1524	
5°	1504	145
15°	1496	416
25°	1053	464
35°	200	152
45°	24	20
55°	4	4
65°	3	2
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1267576

CATALOG NUMBER: P3A13R559735DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1524.1
2.5°	1513.3
5°	1504.2
7.5°	1525.9
10°	1546.8
12.5°	1535.9
15°	1496.1
17.5°	1432.7
20°	1342.1
22.5°	1217.1
25°	1053.2
27.5°	844.9
30°	611.3
32.5°	374.9
35°	200.1
37.5°	101.4
40°	53.4
42.5°	34.4
45°	23.5
47.5°	16.3
50°	9.1
52.5°	5.4
55°	3.6
57.5°	3.6
60°	3.6
62.5°	2.7
65°	2.7
67.5°	1.8
70°	1.8
72.5°	1.8
75°	1.8
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)