

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: P1247025

Luminaire Tested: P3A13R559024DE010 E3CD1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247025
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: P3A13R559024DE010 E3CD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

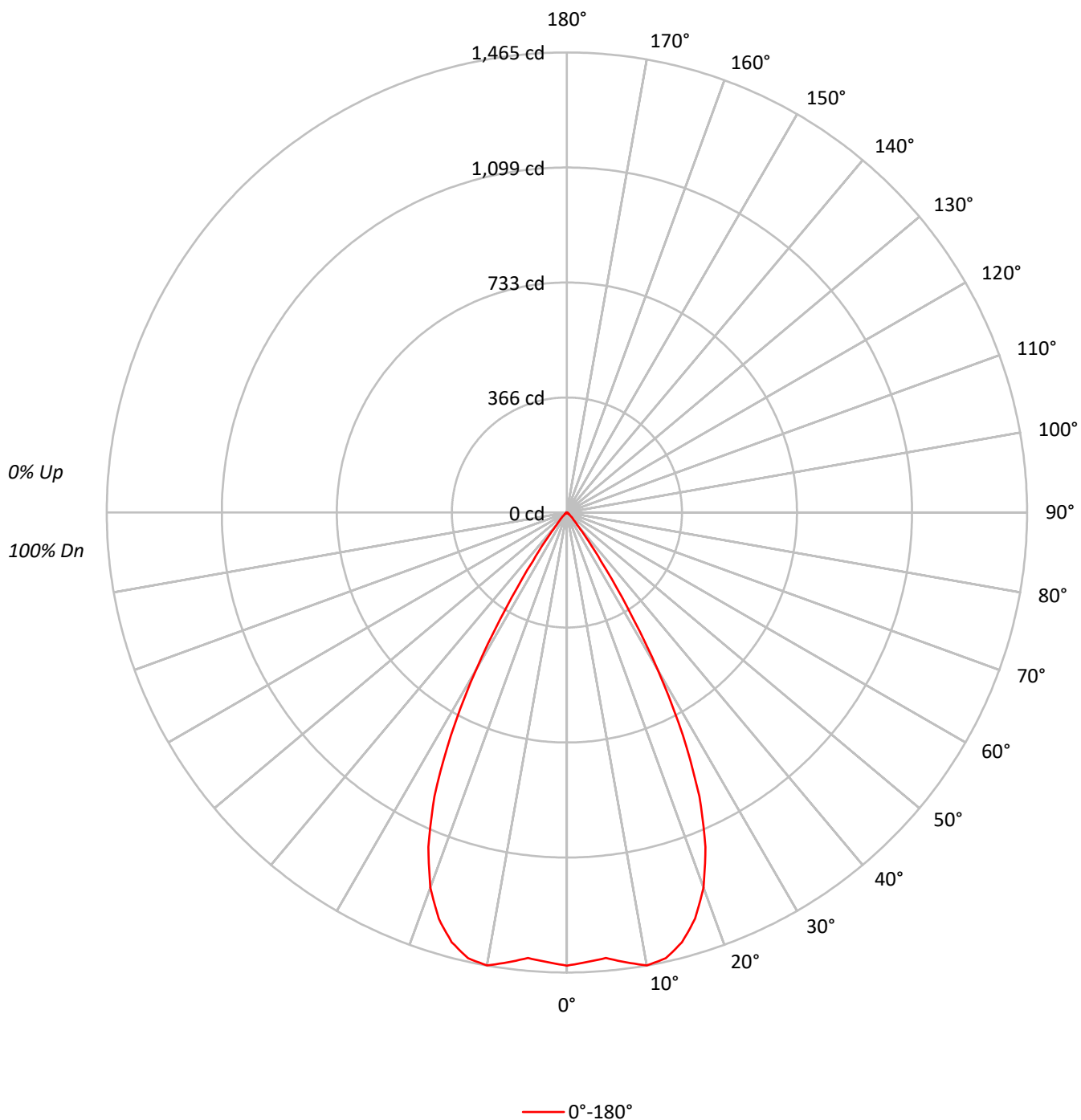
Lumens per Lamp: N/A
Luminaire Lumens: 1141.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247025

CATALOG NUMBER: P3A13R559024DE010 E3CD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1247025

CATALOG NUMBER: P3A13R559024DE010 E3CD1MMS

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		85
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	68	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°	316466
5°	313514
10°	326113
15°	321591
20°	296546
25°	241296
30°	146554
35°	50728
40°	14484
45°	6915
50°	2934
55°	1300
60°	1491
65°	1349
70°	1090
75°	1440
80°	1137
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6915 cd/sqm

TEST NUMBER: P1247025

CATALOG NUMBER: P3A13R559024DE010 E3CD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	12.1
10°-20°	393.7	34.5
20°-30°	438.9	38.5
30°-40°	143.6	12.6
40°-50°	18.9	1.7
50°-60°	4.0	0.3
60°-70°	2.3	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°	970.3	85.0
0°-40°	1113.9	97.6
0°-60°	1136.8	99.6
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1443	
5°	1424	138
15°	1417	394
25°	997	439
35°	190	144
45°	22	19
55°	3	4
65°	3	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1247025

CATALOG NUMBER: P3A13R559024DE010 E3CD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1443.2
2.5°	1432.9
5°	1424.3
7.5°	1444.9
10°	1464.6
12.5°	1454.3
15°	1416.6
17.5°	1356.6
20°	1270.8
22.5°	1152.5
25°	997.3
27.5°	800.1
30°	578.8
32.5°	355.0
35°	189.5
37.5°	96.0
40°	50.6
42.5°	32.6
45°	22.3
47.5°	15.4
50°	8.6
52.5°	5.1
55°	3.4
57.5°	3.4
60°	3.4
62.5°	2.6
65°	2.6
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)