

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: P1257104

Luminaire Tested: P3AS09R559040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257104
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: P3AS09R559040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

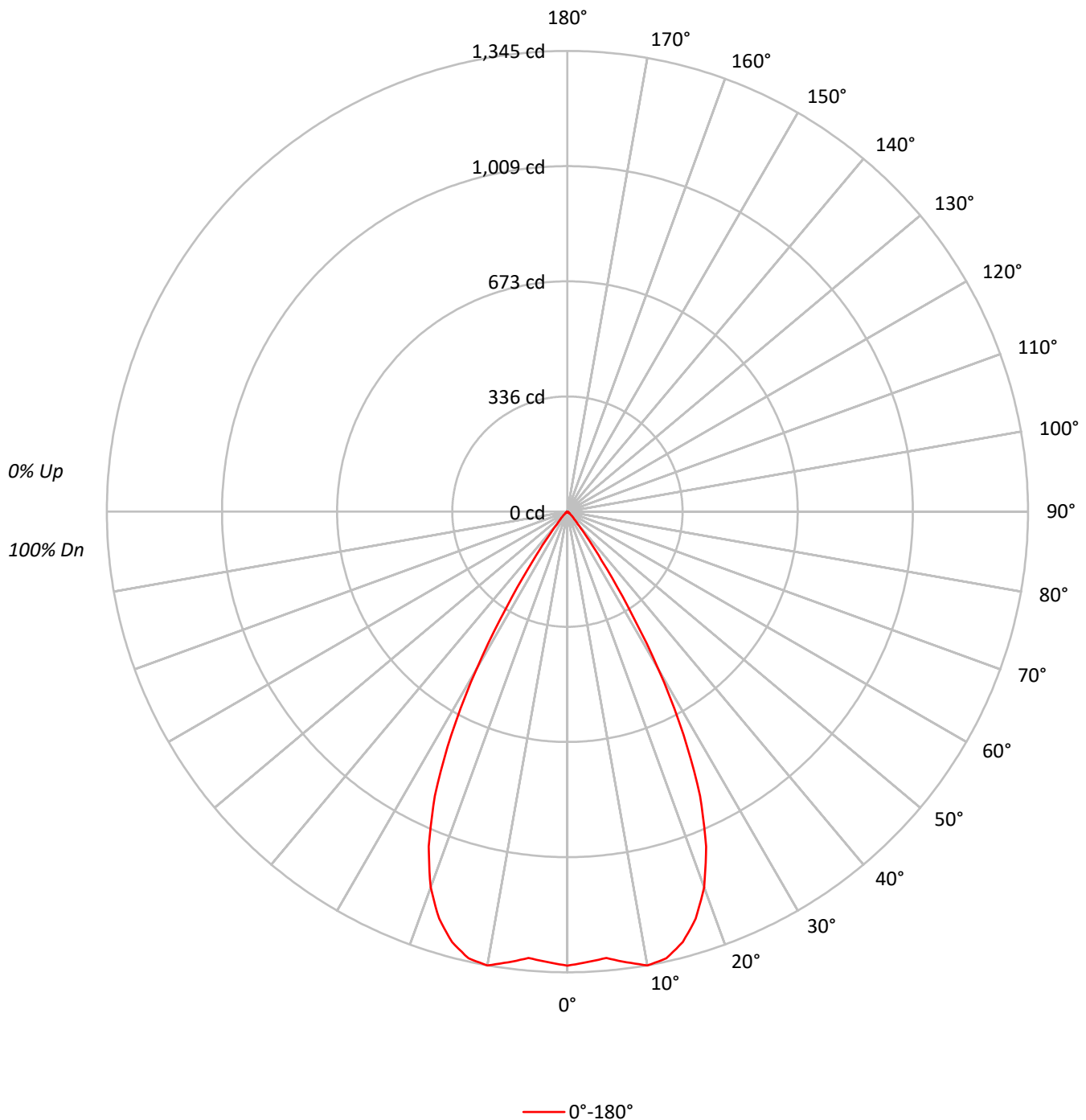
Lumens per Lamp: N/A
Luminaire Lumens: 1048.1 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1257104

CATALOG NUMBER: P3AS09R559040DE010 E3CD1MW

Luminous Intensity Polar Plot



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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°	290678
5°	287959
10°	299527
15°	295371
20°	272370
25°	221626
30°	134603
35°	46605
40°	13311
45°	6357
50°	2695
55°	1223
60°	1403
65°	1245
70°	1026
75°	1356
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6357 cd/sqm

TEST NUMBER: P1257104

CATALOG NUMBER: P3AS09R559040DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	12.1
10°-20°	361.6	34.5
20°-30°	403.1	38.5
30°-40°	131.9	12.6
40°-50°	17.4	1.7
50°-60°	3.7	0.4
60°-70°	2.2	0.2
70°-80°	1.4	0.1
80°-90°	0.3	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°	891.2	85.0
0°-40°	1023.1	97.6
0°-60°	1044.2	99.6
0°-90°	1048.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1326	
5°	1308	126
15°	1301	362
25°	916	403
35°	174	132
45°	20	17
55°	3	4
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1325.6
2.5°	1316.1
5°	1308.2
7.5°	1327.1
10°	1345.2
12.5°	1335.8
15°	1301.1
17.5°	1246.0
20°	1167.2
22.5°	1058.6
25°	916.0
27.5°	734.8
30°	531.6
32.5°	326.1
35°	174.1
37.5°	88.2
40°	46.5
42.5°	29.9
45°	20.5
47.5°	14.2
50°	7.9
52.5°	4.7
55°	3.2
57.5°	3.2
60°	3.2
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)