

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: P1269544

Luminaire Tested: P3A09R559740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269544
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: P3A09R559740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

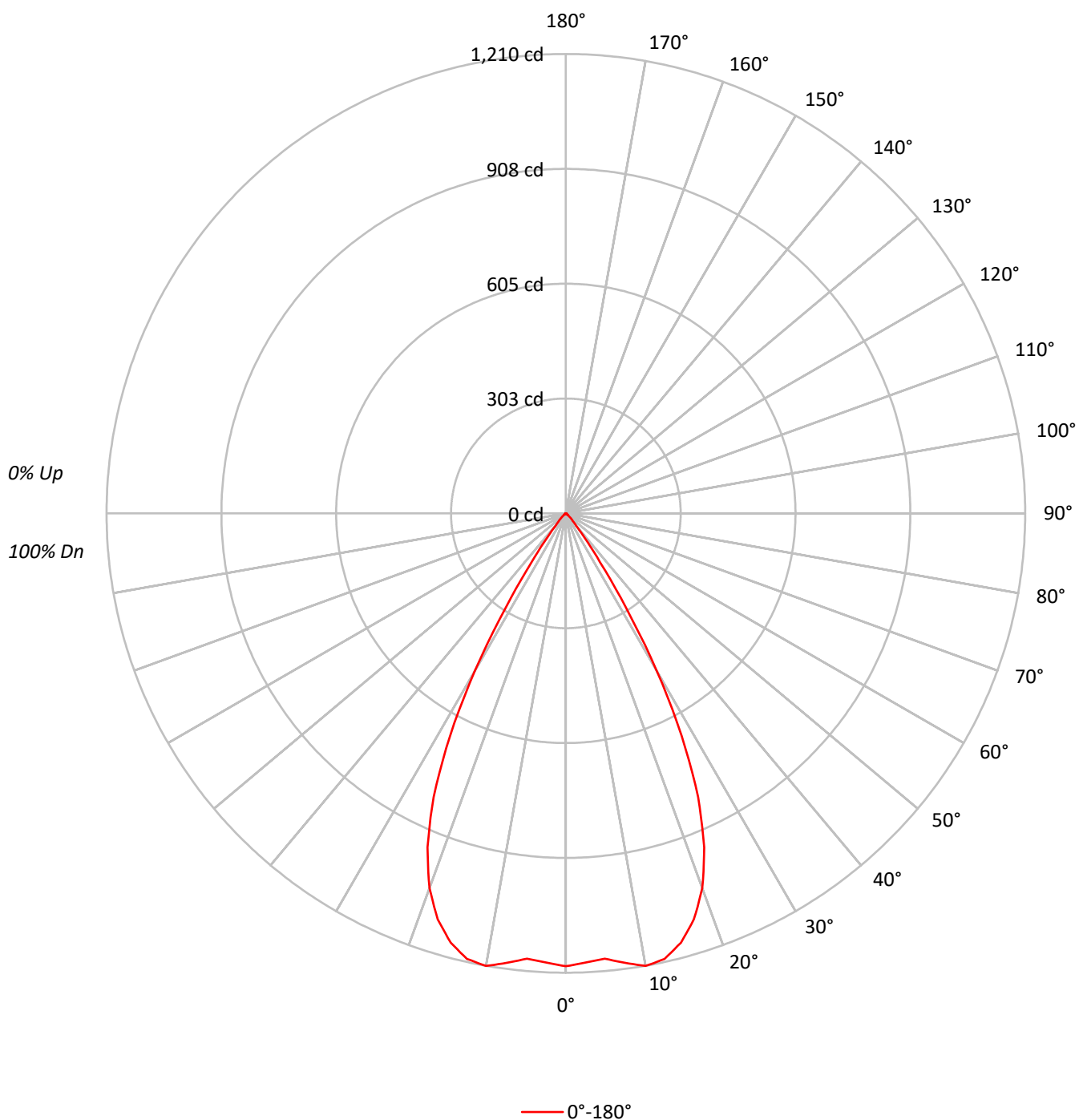
Lumens per Lamp: N/A
Luminaire Lumens: 943.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1269544

CATALOG NUMBER: P3A09R559740DE010 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		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°	261536
5°	259123
10°	269534
15°	265790
20°	245091
25°	199415
30°	121133
35°	41921
40°	11965
45°	5706
50°	2422
55°	1070
60°	1228
65°	1090
70°	898
75°	1186
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5706 cd/sqm

TEST NUMBER: P1269544

CATALOG NUMBER: P3A09R559740DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	12.1
10°-20°	325.4	34.5
20°-30°	362.8	38.5
30°-40°	118.7	12.6
40°-50°	15.6	1.7
50°-60°	3.3	0.3
60°-70°	1.9	0.2
70°-80°	1.2	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°	802.0	85.0
0°-40°	920.6	97.6
0°-60°	939.6	99.6
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1177	114
15°	1171	325
25°	824	363
35°	157	119
45°	18	16
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1192.7
2.5°	1184.2
5°	1177.2
7.5°	1194.2
10°	1210.5
12.5°	1202.0
15°	1170.8
17.5°	1121.2
20°	1050.3
22.5°	952.5
25°	824.2
27.5°	661.2
30°	478.4
32.5°	293.4
35°	156.6
37.5°	79.4
40°	41.8
42.5°	26.9
45°	18.4
47.5°	12.8
50°	7.1
52.5°	4.3
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)