

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: P1247764

Luminaire Tested: P3A20R559024D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559024D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

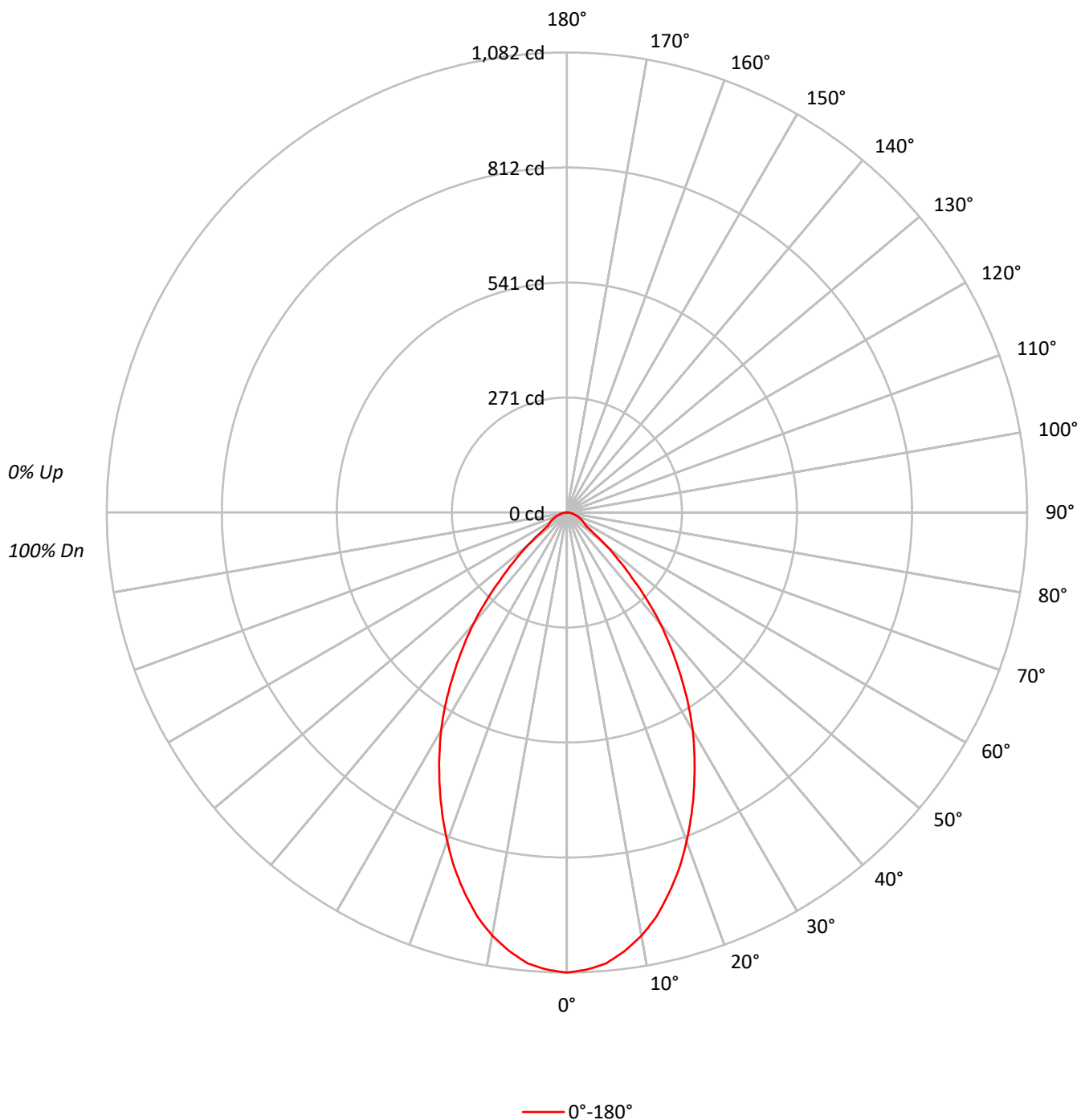
Lumens per Lamp: N/A
Luminaire Lumens: 1262.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1247764

CATALOG NUMBER: P3A20R559024D010 E3DLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1247764

CATALOG NUMBER: P3A20R559024D010 E3DLD1MW

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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	237284
5°	234250
10°	225024
15°	210467
20°	192003
25°	171300
30°	149821
35°	124477
40°	98127
45°	66550
50°	40664
55°	21065
60°	19604
65°	18575
70°	17182
75°	15166
80°	15027
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66550 cd/sqm

TEST NUMBER: P1247764

CATALOG NUMBER: P3A20R559024D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	7.9
10°-20°	259.1	20.5
20°-30°	324.5	25.7
30°-40°	289.6	23.0
40°-50°	169.6	13.4
50°-60°	58.6	4.6
60°-70°	35.4	2.8
70°-80°	19.7	1.6
80°-90°	5.7	0.5
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°	683.4	54.2
0°-40°	973.1	77.1
0°-60°	1201.2	95.2
0°-90°	1262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1082	
5°	1064	100
15°	927	259
25°	708	324
35°	465	290
45°	215	170
55°	55	59
65°	36	35
75°	18	20
85°	4	6
90°	0	

TEST NUMBER: P1247764

CATALOG NUMBER: P3A20R559024D010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1082.1
2.5°	1076.2
5°	1064.2
7.5°	1040.4
10°	1010.6
12.5°	973.3
15°	927.1
17.5°	877.9
20°	822.8
22.5°	766.1
25°	708.0
27.5°	649.9
30°	591.7
32.5°	529.1
35°	465.0
37.5°	402.4
40°	342.8
42.5°	278.7
45°	214.6
47.5°	164.0
50°	119.2
52.5°	77.5
55°	55.1
57.5°	49.2
60°	44.7
62.5°	40.2
65°	35.8
67.5°	31.3
70°	26.8
72.5°	22.4
75°	17.9
77.5°	14.9
80°	11.9
82.5°	7.5
85°	4.5
87.5°	3.0
90°	0.0

(END OF REPORT)