

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: P1265925

Luminaire Tested: P3A20R559730D010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559730D010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

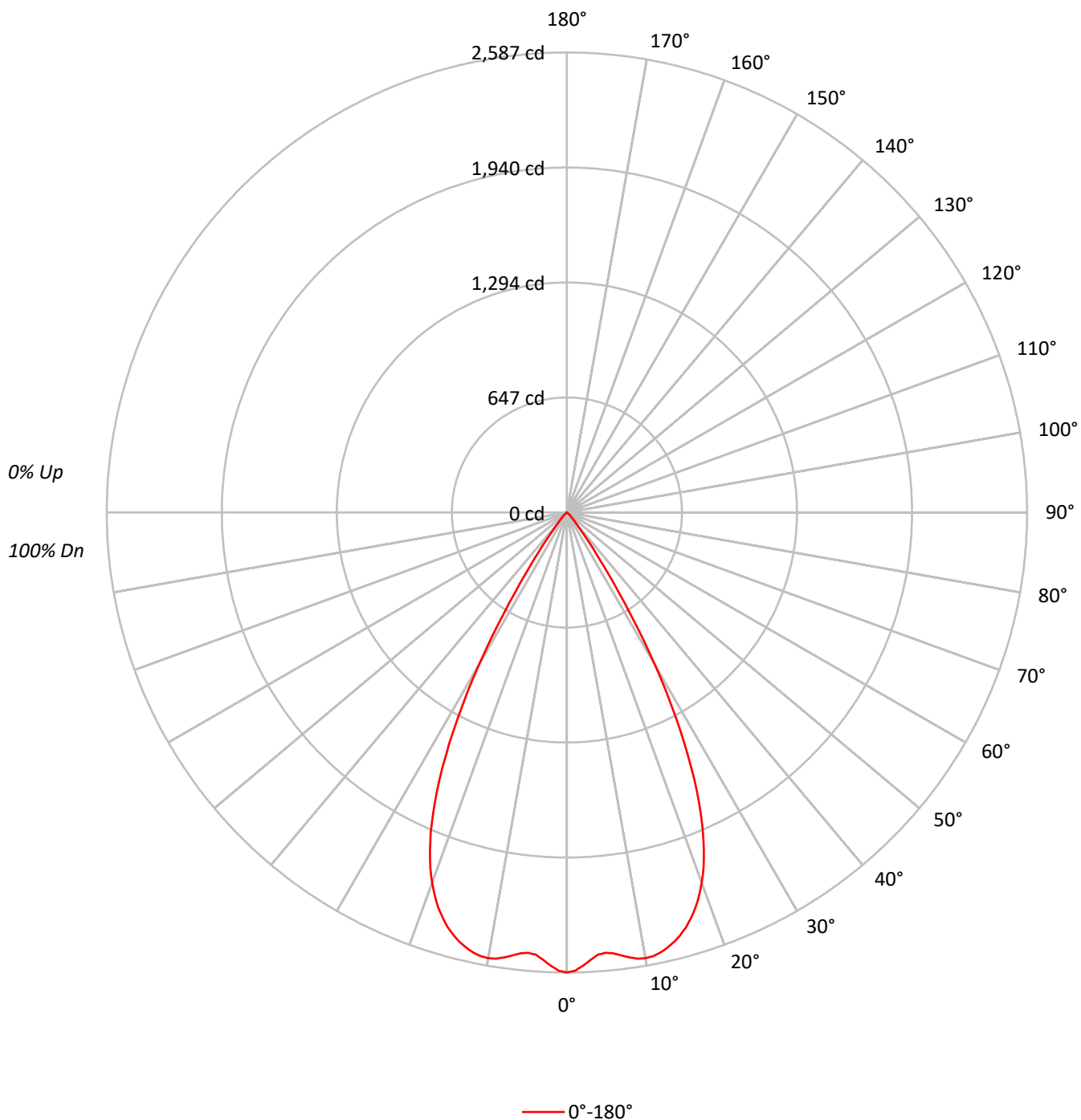
Lumens per Lamp: N/A
Luminaire Lumens: 1955.9 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1265925

CATALOG NUMBER: P3A20R559730D010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1265925

CATALOG NUMBER: P3A20R559730D010 E3D1WMH

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		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	567213
5°	547148
10°	566701
15°	558709
20°	517088
25°	418185
30°	250621
35°	84939
40°	23387
45°	10358
50°	3036
55°	573
60°	307
65°	363
70°	449
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10358 cd/sqm

TEST NUMBER: P1265925

CATALOG NUMBER: P3A20R559730D010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	12.3
10°-20°	685.2	35.0
20°-30°	761.7	38.9
30°-40°	237.1	12.1
40°-50°	28.5	1.5
50°-60°	2.2	0.1
60°-70°	0.7	0.0
70°-80°	0.1	0.0
80°-90°	0.0	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°	1687.4	86.3
0°-40°	1924.5	98.4
0°-60°	1955.1	100.0
0°-90°	1955.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2587	
5°	2486	240
15°	2461	685
25°	1728	762
35°	317	237
45°	33	28
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1265925

CATALOG NUMBER: P3A20R559730D010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2586.7
1°	2577.1
2°	2551.8
3°	2520.6
4°	2492.3
5°	2485.7
6°	2493.1
7°	2508.7
8°	2526.5
9°	2540.6
10°	2545.1
11°	2542.1
12°	2530.2
13°	2511.7
14°	2490.1
15°	2461.1
16°	2427.7
17°	2385.3
18°	2337.8
19°	2280.6
20°	2215.9
21°	2142.3
22°	2055.4
23°	1959.5
24°	1849.6
25°	1728.4
26°	1595.4
27°	1454.2
28°	1303.4
29°	1148.1
30°	989.8
31°	830.8
32°	675.5
32.5°	606.4
33°	535.0
34°	413.9
35°	317.3
36°	241.5
37°	179.1
37.5°	153.1
38°	133.0
39°	101.1
40°	81.7
42.5°	52.0
45°	33.4



TEST NUMBER: P1265925

CATALOG NUMBER: P3A20R559730D010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	20.1
50°	8.9
52.5°	3.0
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)