

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: P1270685

Luminaire Tested: P3A20R559740D010 E3DL1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559740D010 E3DL1H
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

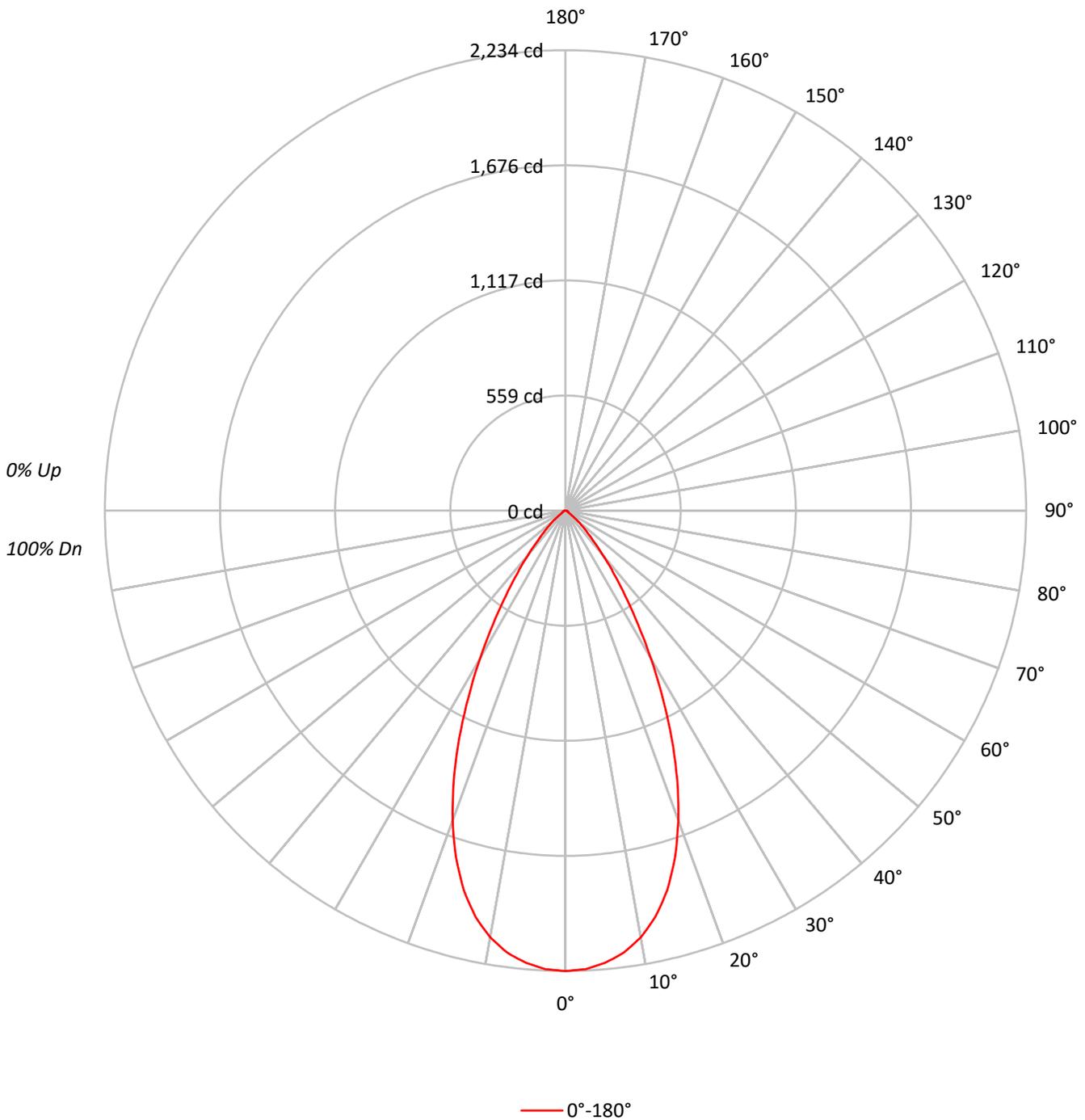
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1784.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
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: P1270685
CATALOG NUMBER: P3A20R559740D010 E3DL1H

Luminous Intensity Polar Plot





TEST NUMBER: P1270685
 CATALOG NUMBER: P3A20R559740D010 E3DL1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	82	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58			
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55			
10	73	63	57	53	72	62	57	53	62	57	53	61	56	53	60	56	53	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	489873
5°	484899
10°	468283
15°	432852
20°	373506
25°	295009
30°	209273
35°	134944
40°	81038
45°	45679
50°	24562
55°	8755
60°	7894
65°	7627
70°	7373
75°	6947
80°	6188
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45679 cd/sqm



TEST NUMBER: P1270685
 CATALOG NUMBER: P3A20R559740D010 E3DL1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	11.6
10°-20°	527.2	29.6
20°-30°	552.5	31.0
30°-40°	322.4	18.1
40°-50°	120.6	6.8
50°-60°	28.4	1.6
60°-70°	14.6	0.8
70°-80°	8.6	0.5
80°-90°	2.4	0.1
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°	1287.0	72.1
0°-40°	1609.3	90.2
0°-60°	1758.3	98.6
0°-90°	1784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1784.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2234	
5°	2203	207
15°	1907	527
25°	1219	553
35°	504	322
45°	147	121
55°	23	28
65°	15	15
75°	8	9
85°	2	2
90°	0	

TEST NUMBER: P1270685
CATALOG NUMBER: P3A20R559740D010 E3DL1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2234.0
2.5°	2227.5
5°	2202.9
7.5°	2163.6
10°	2103.1
12.5°	2018.0
15°	1906.7
17.5°	1765.9
20°	1600.6
22.5°	1415.7
25°	1219.3
27.5°	1018.0
30°	826.5
32.5°	653.0
35°	504.1
37.5°	383.0
40°	283.1
42.5°	202.9
45°	147.3
47.5°	106.4
50°	72.0
52.5°	40.9
55°	22.9
57.5°	19.6
60°	18.0
62.5°	16.4
65°	14.7
67.5°	13.1
70°	11.5
72.5°	9.8
75°	8.2
77.5°	6.5
80°	4.9
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)