

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: P1272775

Luminaire Tested: P3AS20R559827D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272775
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: P3AS20R559827D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

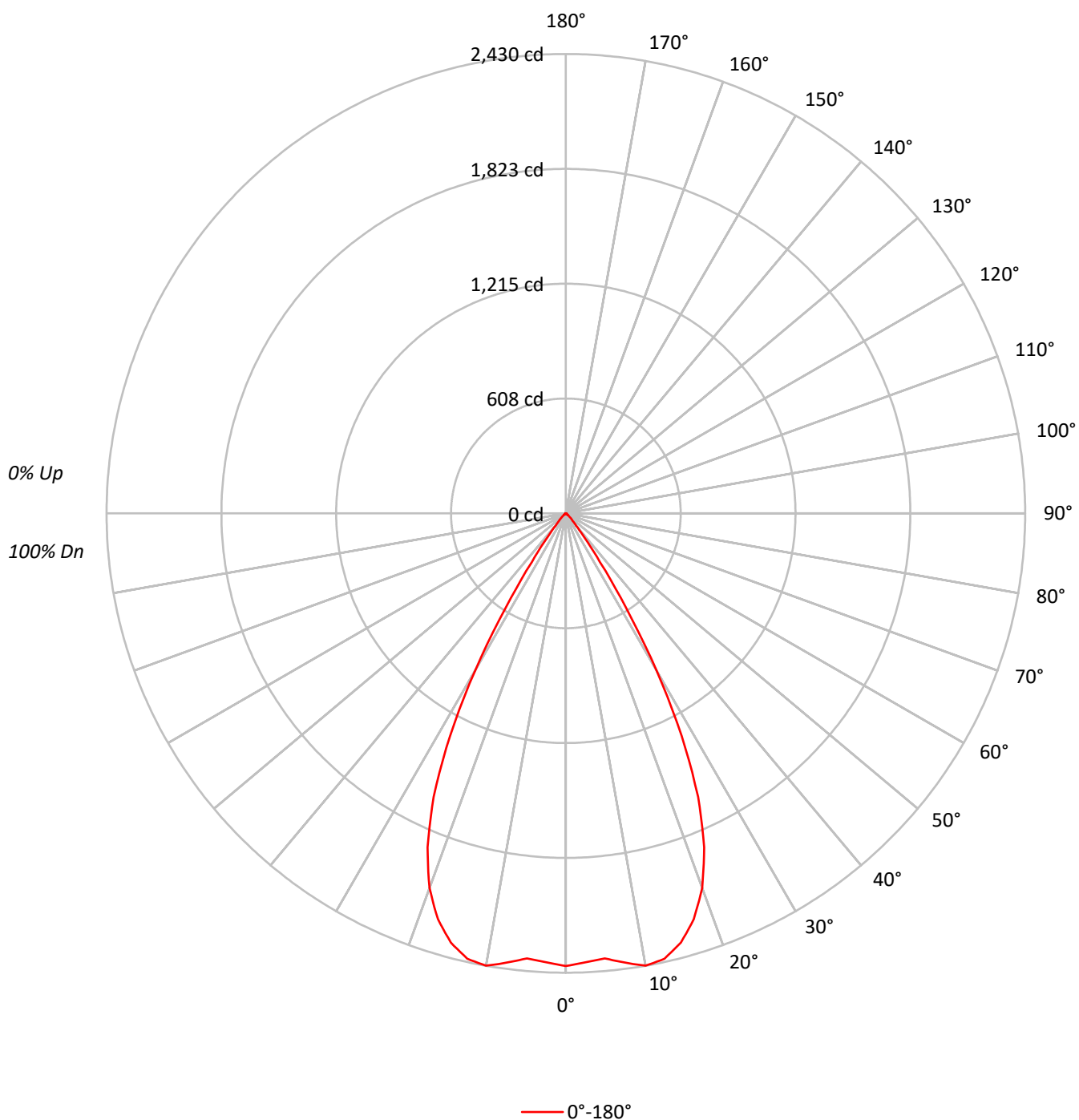
Lumens per Lamp: N/A
Luminaire Lumens: 1892.9 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272775

CATALOG NUMBER: P3AS20R559827D010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272775

CATALOG NUMBER: P3AS20R559827D010 E3CD1MW

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°	525024
5°	520140
10°	541050
15°	533533
20°	492003
25°	400330
30°	243151
35°	84162
40°	24016
45°	11474
50°	4844
55°	2179
60°	2500
65°	2231
70°	1795
75°	2372
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11474 cd/sqm

TEST NUMBER: P1272775

CATALOG NUMBER: P3AS20R559827D010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	12.1
10°-20°	653.2	34.5
20°-30°	728.2	38.5
30°-40°	238.2	12.6
40°-50°	31.4	1.7
50°-60°	6.6	0.4
60°-70°	3.9	0.2
70°-80°	2.4	0.1
80°-90°	0.6	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°	1609.9	85.0
0°-40°	1848.1	97.6
0°-60°	1886.1	99.6
0°-90°	1892.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2394	
5°	2363	228
15°	2350	653
25°	1655	728
35°	314	238
45°	37	31
55°	6	7
65°	4	4
75°	3	2
85°	0	1
90°	0	

TEST NUMBER: P1272775

CATALOG NUMBER: P3AS20R559827D010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2394.3
2.5°	2377.3
5°	2363.0
7.5°	2397.2
10°	2429.9
12.5°	2412.8
15°	2350.2
17.5°	2250.7
20°	2108.4
22.5°	1912.1
25°	1654.6
27.5°	1327.3
30°	960.3
32.5°	589.0
35°	314.4
37.5°	159.3
40°	83.9
42.5°	54.1
45°	37.0
47.5°	25.6
50°	14.2
52.5°	8.5
55°	5.7
57.5°	5.7
60°	5.7
62.5°	4.3
65°	4.3
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)