

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: P1272874

Luminaire Tested: P3AS20R709827D010 E3DLP1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R709827D010 E3DLP1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

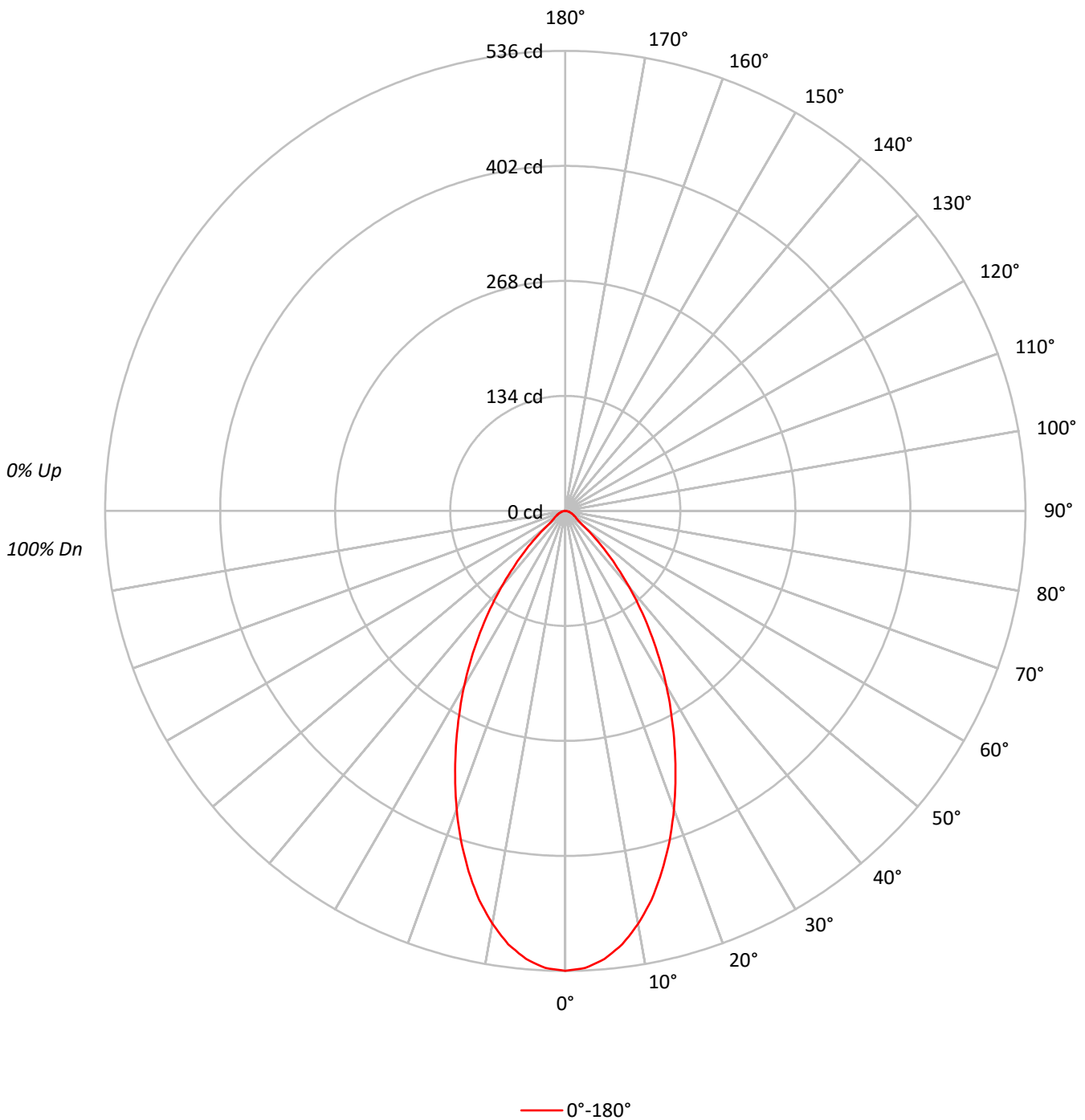
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 501.1 lumens
Efficiency: N/A
Efficacy: 18.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
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: P1272874
CATALOG NUMBER: P3AS20R709827D010 E3DLP1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1272874

CATALOG NUMBER: P3AS20R709827D010 E3DLP1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92				92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71				71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61				61
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49				49
10	69	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117513
5°	115364
10°	108771
15°	98729
20°	86364
25°	72851
30°	59655
35°	46257
40°	33119
45°	20963
50°	10473
55°	6384
60°	5482
65°	5085
70°	4488
75°	4151
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20963 cd/sqm



TEST NUMBER: P1272874
 CATALOG NUMBER: P3AS20R709827D010 E3DLP1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	9.8
10°-20°	121.0	24.1
20°-30°	137.8	27.5
30°-40°	107.8	21.5
40°-50°	52.9	10.6
50°-60°	16.3	3.2
60°-70°	9.7	1.9
70°-80°	5.2	1.0
80°-90°	1.5	0.3
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°	307.7	61.4
0°-40°	415.5	82.9
0°-60°	484.7	96.7
0°-90°	501.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	536	
5°	524	49
15°	435	121
25°	301	138
35°	173	108
45°	68	53
55°	17	16
65°	10	10
75°	5	5
85°	1	2
90°	0	



TEST NUMBER: P1272874
CATALOG NUMBER: P3AS20R709827D010 E3DLP1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	535.9
2.5°	533.1
5°	524.1
7.5°	509.4
10°	488.5
12.5°	464.1
15°	434.9
17.5°	403.5
20°	370.1
22.5°	335.2
25°	301.1
27.5°	267.6
30°	235.6
32.5°	203.5
35°	172.8
37.5°	143.6
40°	115.7
42.5°	89.9
45°	67.6
47.5°	47.4
50°	30.7
52.5°	20.2
55°	16.7
57.5°	14.6
60°	12.5
62.5°	11.2
65°	9.8
67.5°	8.4
70°	7.0
72.5°	5.6
75°	4.9
77.5°	4.2
80°	2.8
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)