

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: P1272765

Luminaire Tested: P3AS20R509827D010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509827D010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

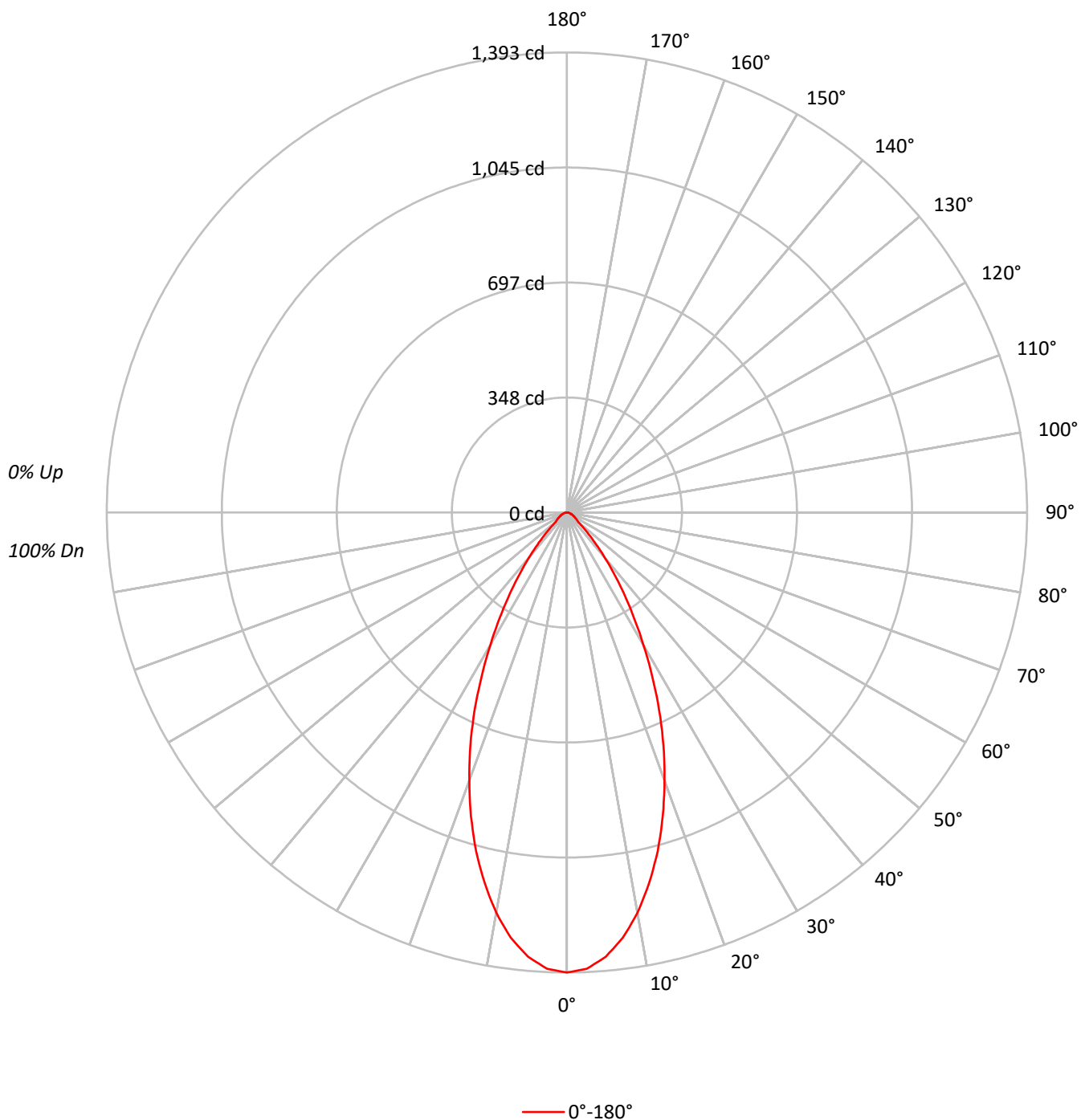
Lumens per Lamp: N/A
Luminaire Lumens: 1050.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272765

CATALOG NUMBER: P3AS20R509827D010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1272765

CATALOG NUMBER: P3AS20R509827D010 E3DLP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		73
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305392
5°	297182
10°	274032
15°	241000
20°	201618
25°	159880
30°	117309
35°	80656
40°	51267
45°	28654
50°	15522
55°	13037
60°	11227
65°	10325
70°	9104
75°	8388
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28654 cd/sqm

TEST NUMBER: P1272765

CATALOG NUMBER: P3AS20R509827D010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	11.9
10°-20°	294.0	28.0
20°-30°	300.7	28.6
30°-40°	190.7	18.2
40°-50°	75.9	7.2
50°-60°	30.8	2.9
60°-70°	19.7	1.9
70°-80°	10.1	1.0
80°-90°	3.1	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°	719.8	68.6
0°-40°	910.5	86.7
0°-60°	1017.1	96.9
0°-90°	1050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1393	
5°	1350	125
15°	1062	294
25°	661	301
35°	301	191
45°	92	76
55°	34	31
65°	20	20
75°	10	10
85°	3	3
90°	0	

TEST NUMBER: P1272765

CATALOG NUMBER: P3AS20R509827D010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1392.7
2.5°	1382.7
5°	1350.1
7.5°	1298.9
10°	1230.7
12.5°	1149.7
15°	1061.6
17.5°	964.9
20°	864.0
22.5°	763.1
25°	660.8
27.5°	558.5
30°	463.3
32.5°	378.0
35°	301.3
37.5°	235.9
40°	179.1
42.5°	132.2
45°	92.4
47.5°	62.5
50°	45.5
52.5°	38.4
55°	34.1
57.5°	29.8
60°	25.6
62.5°	22.7
65°	19.9
67.5°	17.1
70°	14.2
72.5°	11.4
75°	9.9
77.5°	7.1
80°	5.7
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)