

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: P1272021

Luminaire Tested: P3AS13R409827DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R409827DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

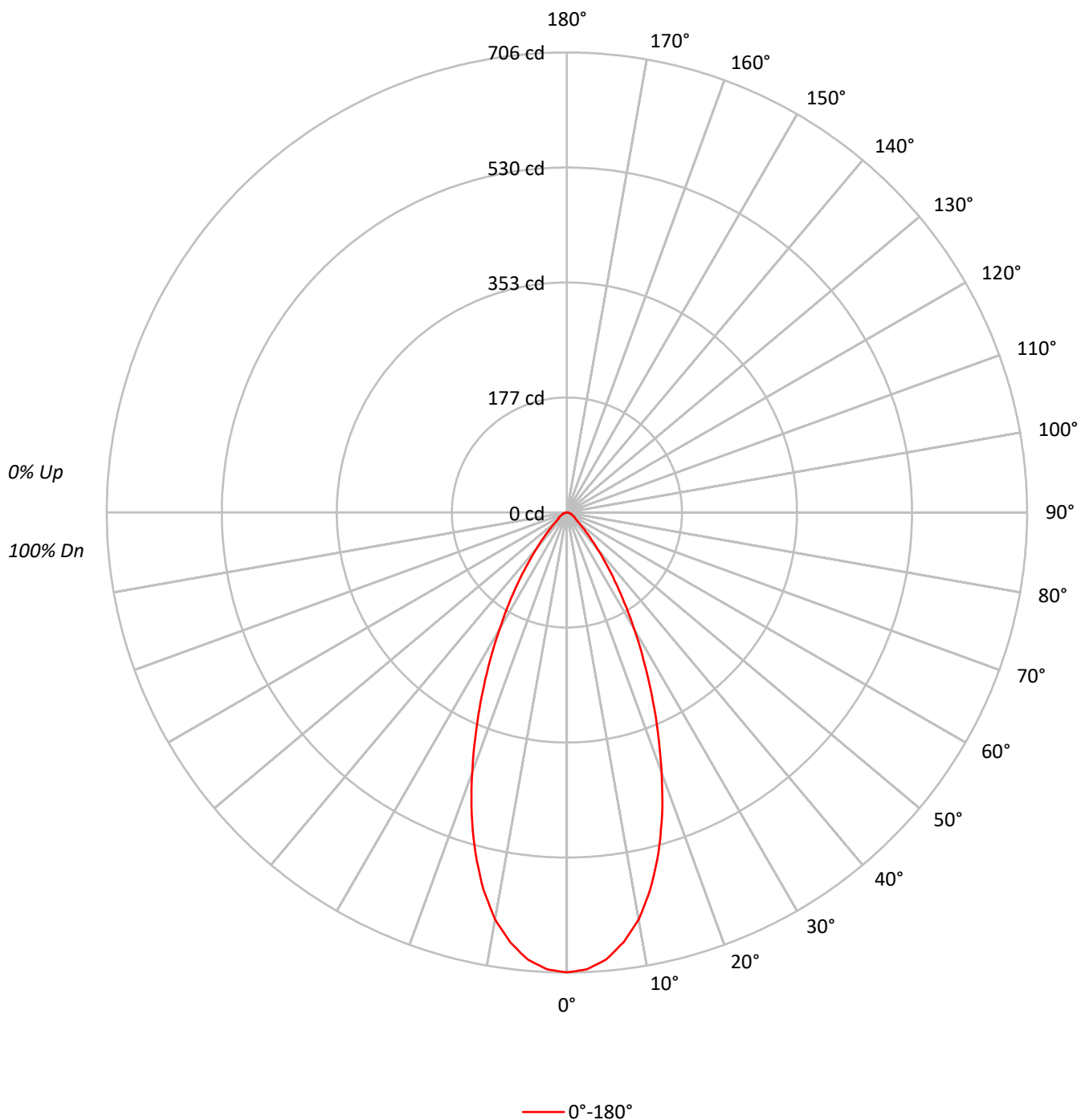
Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1272021

CATALOG NUMBER: P3AS13R409827DE010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1272021

CATALOG NUMBER: P3AS13R409827DE010 E3DLP1H

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	154746
5°	151617
10°	141169
15°	123043
20°	99152
25°	74327
30°	52261
35°	34238
40°	20725
45°	12373
50°	7403
55°	5964
60°	5350
65°	4566
70°	4360
75°	3474
80°	3410
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12373 cd/sqm

TEST NUMBER: P1272021

CATALOG NUMBER: P3AS13R409827DE010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	12.9
10°-20°	149.3	30.0
20°-30°	140.7	28.3
30°-40°	81.4	16.4
40°-50°	32.4	6.5
50°-60°	14.4	2.9
60°-70°	8.8	1.8
70°-80°	4.7	0.9
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°	353.9	71.2
0°-40°	435.3	87.6
0°-60°	482.0	97.0
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	706	
5°	689	64
15°	542	149
25°	307	141
35°	128	81
45°	40	32
55°	16	14
65°	9	9
75°	4	5
85°	1	1
90°	0	

TEST NUMBER: P1272021

CATALOG NUMBER: P3AS13R409827DE010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	705.7
2.5°	701.7
5°	688.8
7.5°	665.1
10°	634.0
12.5°	592.1
15°	542.0
17.5°	485.8
20°	424.9
22.5°	364.0
25°	307.2
27.5°	254.4
30°	206.4
32.5°	164.4
35°	127.9
37.5°	96.8
40°	72.4
42.5°	54.1
45°	39.9
47.5°	29.1
50°	21.7
52.5°	17.6
55°	15.6
57.5°	14.2
60°	12.2
62.5°	10.1
65°	8.8
67.5°	7.4
70°	6.8
72.5°	5.4
75°	4.1
77.5°	3.4
80°	2.7
82.5°	2.0
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)