

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: P1272017

Luminaire Tested: P3AS13R409827DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R409827DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

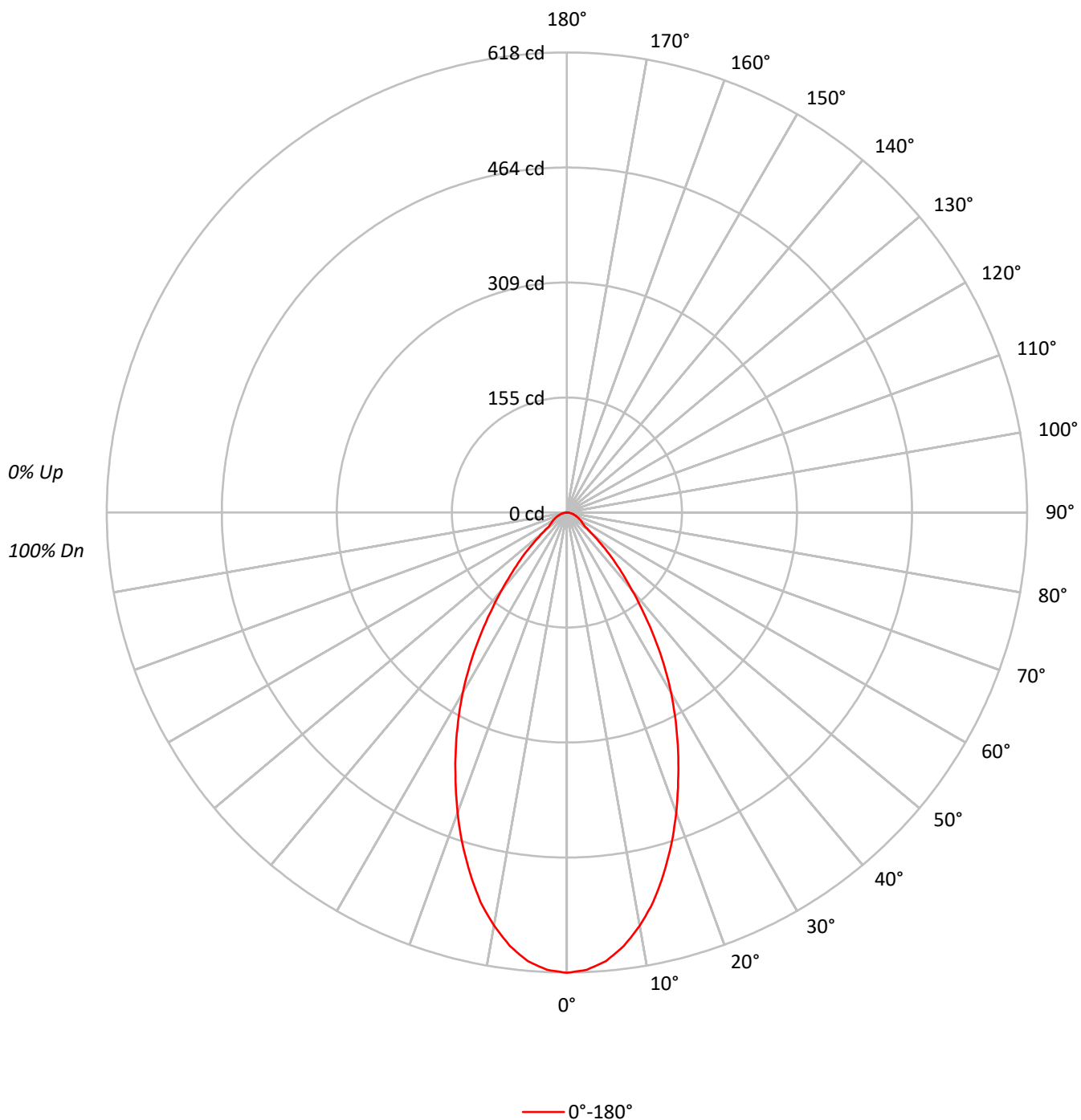
Lumens per Lamp: N/A
Luminaire Lumens: 604.1 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272017

CATALOG NUMBER: P3AS13R409827DE010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272017

CATALOG NUMBER: P3AS13R409827DE010 E3DLD1MW

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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135581
5°	133128
10°	125493
15°	113985
20°	100132
25°	85505
30°	70846
35°	54636
40°	38873
45°	26204
50°	14294
55°	10093
60°	9473
65°	8769
70°	7822
75°	7456
80°	5935
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26204 cd/sqm

TEST NUMBER: P1272017

CATALOG NUMBER: P3AS13R409827DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	9.3
10°-20°	139.9	23.2
20°-30°	161.7	26.8
30°-40°	127.4	21.1
40°-50°	65.4	10.8
50°-60°	25.0	4.1
60°-70°	16.5	2.7
70°-80°	9.0	1.5
80°-90°	2.7	0.4
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°	358.0	59.3
0°-40°	485.4	80.4
0°-60°	575.8	95.3
0°-90°	604.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	605	56
15°	502	140
25°	353	162
35°	204	127
45°	84	65
55°	26	25
65°	17	17
75°	9	9
85°	2	3
90°	0	

TEST NUMBER: P1272017

CATALOG NUMBER: P3AS13R409827DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	618.3
2.5°	614.9
5°	604.8
7.5°	587.2
10°	563.6
12.5°	535.9
15°	502.1
17.5°	466.9
20°	429.1
22.5°	390.6
25°	353.4
27.5°	316.3
30°	279.8
32.5°	242.6
35°	204.1
37.5°	168.3
40°	135.8
42.5°	108.1
45°	84.5
47.5°	61.5
50°	41.9
52.5°	30.4
55°	26.4
57.5°	23.7
60°	21.6
62.5°	18.9
65°	16.9
67.5°	14.2
70°	12.2
72.5°	10.1
75°	8.8
77.5°	6.8
80°	4.7
82.5°	4.1
85°	2.0
87.5°	1.4
90°	0.0

(END OF REPORT)