

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: P1271314

Luminaire Tested: P3AS05R409827DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409827DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

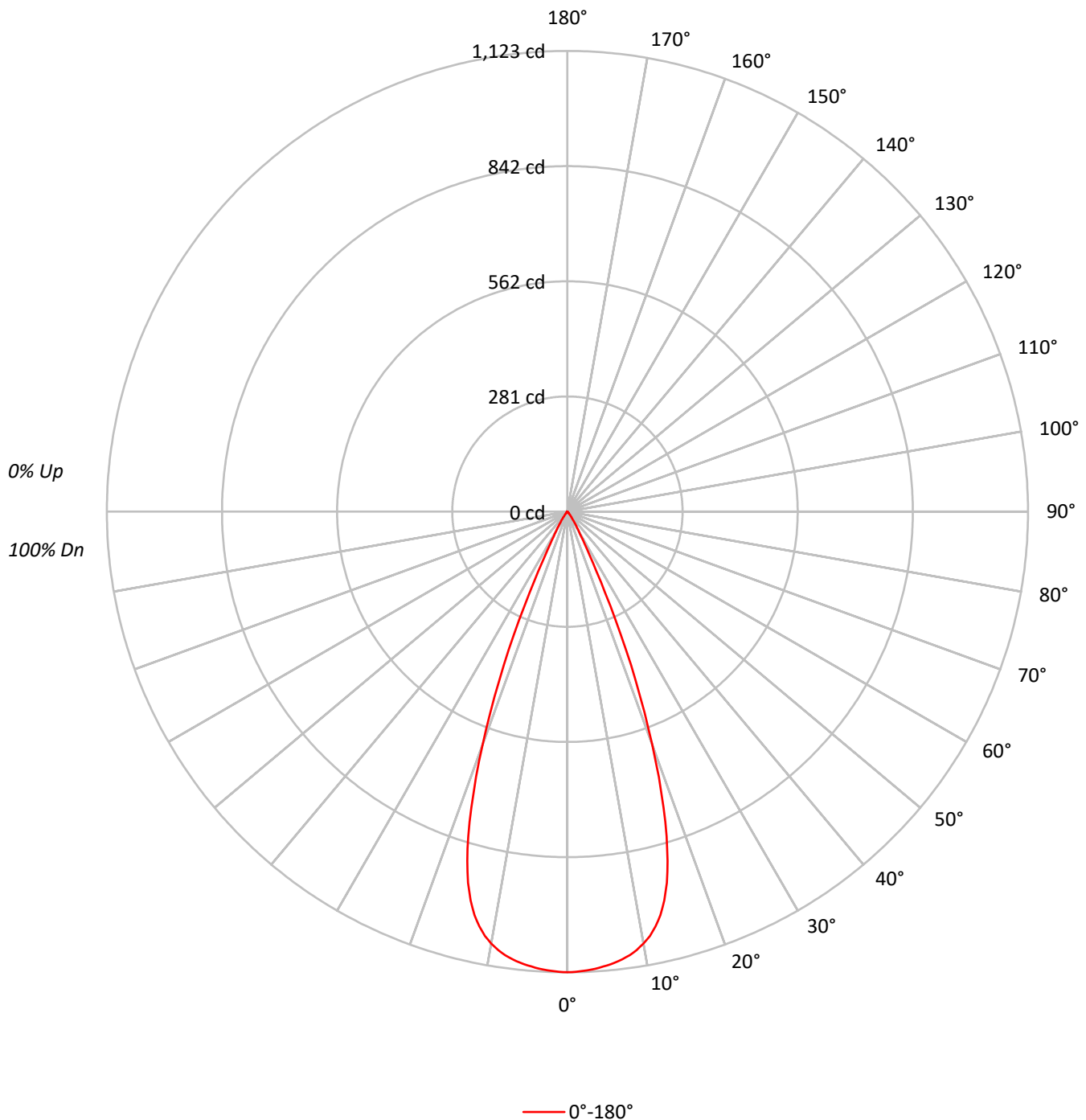
Lumens per Lamp: N/A
Luminaire Lumens: 483.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1271314

CATALOG NUMBER: P3AS05R409827DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1271314

CATALOG NUMBER: P3AS05R409827DE010 E3D1LI

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	81	95	89	84	81	87	83	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		79
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77
10	84	77	72	70	83	77	72	69	76	72	69		75	72	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246186
5°	244419
10°	238027
15°	212623
20°	140992
25°	52818
30°	14129
35°	5514
40°	1975
45°	930
50°	273
55°	115
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 930 cd/sqm

TEST NUMBER: P1271314

CATALOG NUMBER: P3AS05R409827DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	21.7
10°-20°	248.2	51.4
20°-30°	112.5	23.3
30°-40°	14.6	3.0
40°-50°	2.5	0.5
50°-60°	0.3	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	465.5	96.4
0°-40°	480.1	99.4
0°-60°	482.9	100.0
0°-90°	483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	483.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1123	
5°	1110	105
15°	937	248
25°	218	113
35°	21	15
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1271314

CATALOG NUMBER: P3AS05R409827DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1122.7
1°	1122.1
2°	1120.4
3°	1117.8
4°	1114.6
5°	1110.4
6°	1105.5
7°	1099.4
8°	1092.0
9°	1081.8
10°	1069.0
11°	1053.9
12°	1033.8
13°	1008.9
14°	976.5
15°	936.6
16°	885.7
17°	827.7
18°	758.0
19°	684.5
20°	604.2
21°	523.8
22°	444.7
23°	365.9
24°	288.5
25°	218.3
26°	161.6
27°	118.4
28°	88.9
29°	69.2
30°	55.8
31°	46.2
32°	38.6
32.5°	35.2
33°	31.8
34°	25.9
35°	20.6
36°	16.2
37°	12.9
37.5°	11.5
38°	10.1
39°	8.5
40°	6.9
42.5°	4.6
45°	3.0

TEST NUMBER: P1271314

CATALOG NUMBER: P3AS05R409827DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	1.9
50°	0.8
52.5°	0.3
55°	0.3
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)