

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: P1248466

Luminaire Tested: P3AS05R309027DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R309027DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

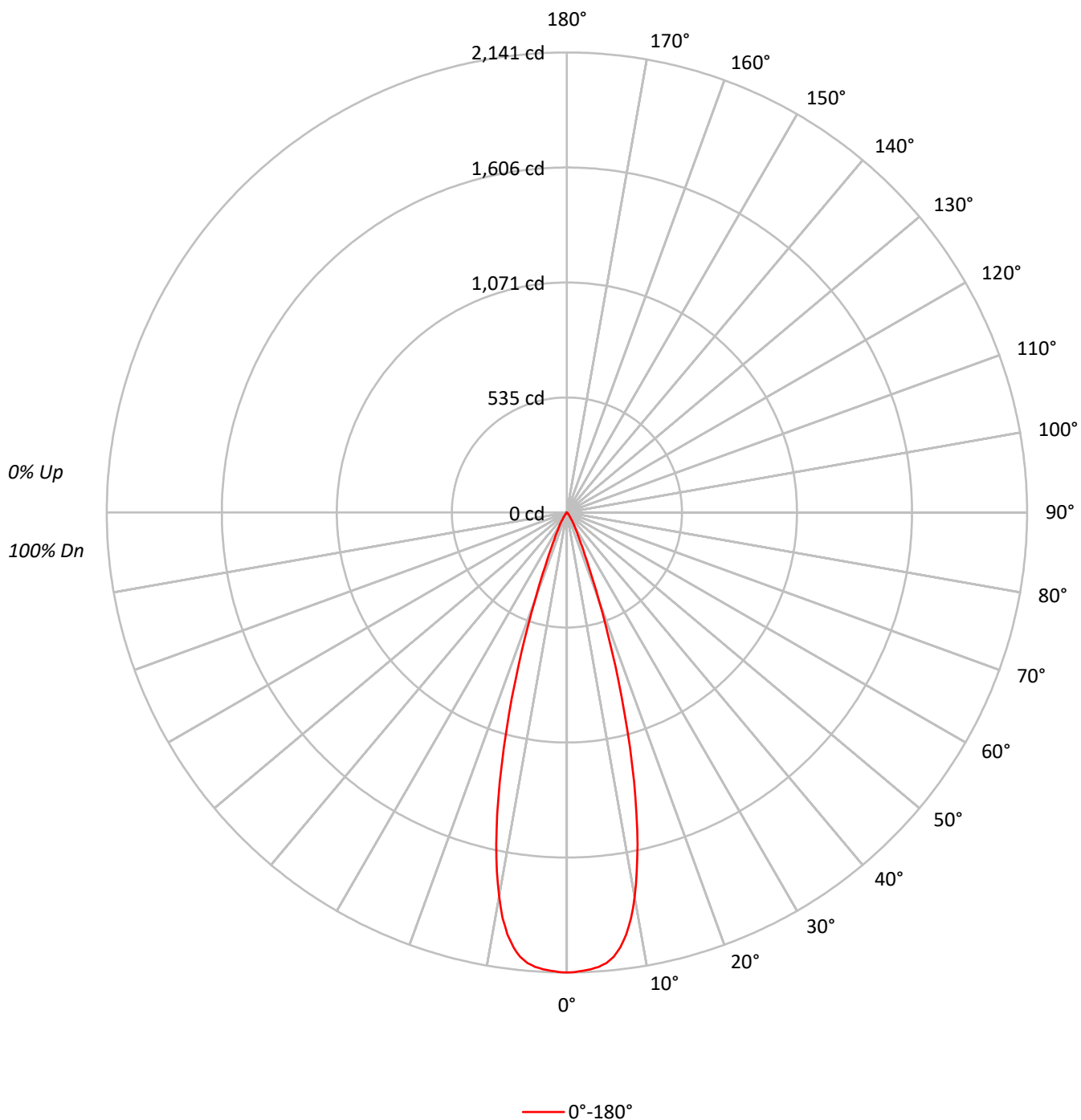
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1248466

CATALOG NUMBER: P3AS05R309027DE010 E3D1LI

Luminous Intensity Polar Plot



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	89	88
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	86
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	85	83	82	81	80
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	79	78
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	76
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76	75	74
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	469414
5°	463305
10°	404513
15°	257096
20°	101859
25°	34018
30°	15825
35°	7174
40°	2748
45°	1364
50°	375
55°	191
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1364 cd/sqm

TEST NUMBER: P1248466

CATALOG NUMBER: P3AS05R309027DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	32.6
10°-20°	298.4	50.6
20°-30°	76.9	13.0
30°-40°	18.1	3.1
40°-50°	3.5	0.6
50°-60°	0.4	0.1
60°-70°	0.2	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°	567.8	96.2
0°-40°	585.9	99.3
0°-60°	589.8	100.0
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2141	
5°	2105	192
15°	1132	298
25°	141	77
35°	27	18
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1248466

CATALOG NUMBER: P3AS05R309027DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2140.7
1°	2139.1
2°	2134.1
3°	2128.4
4°	2119.9
5°	2104.8
6°	2080.3
7°	2039.5
8°	1983.9
9°	1911.2
10°	1816.7
11°	1704.2
12°	1581.4
13°	1440.1
14°	1292.2
15°	1132.5
16°	976.1
17°	825.4
18°	680.9
19°	548.3
20°	436.5
21°	343.5
22°	270.3
23°	213.9
24°	171.3
25°	140.6
26°	117.3
27°	99.6
28°	86.1
29°	73.7
30°	62.5
32.5°	39.4
35°	26.8
37.5°	16.7
40°	9.6
42.5°	6.4
45°	4.4
47.5°	2.5
50°	1.1
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2



TEST NUMBER: P1248466

CATALOG NUMBER: P3AS05R309027DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.2
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)