

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: P1275507

Luminaire Tested: P3AS05R509835DE010 E3D1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1275507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509835DE010 E3D1H
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

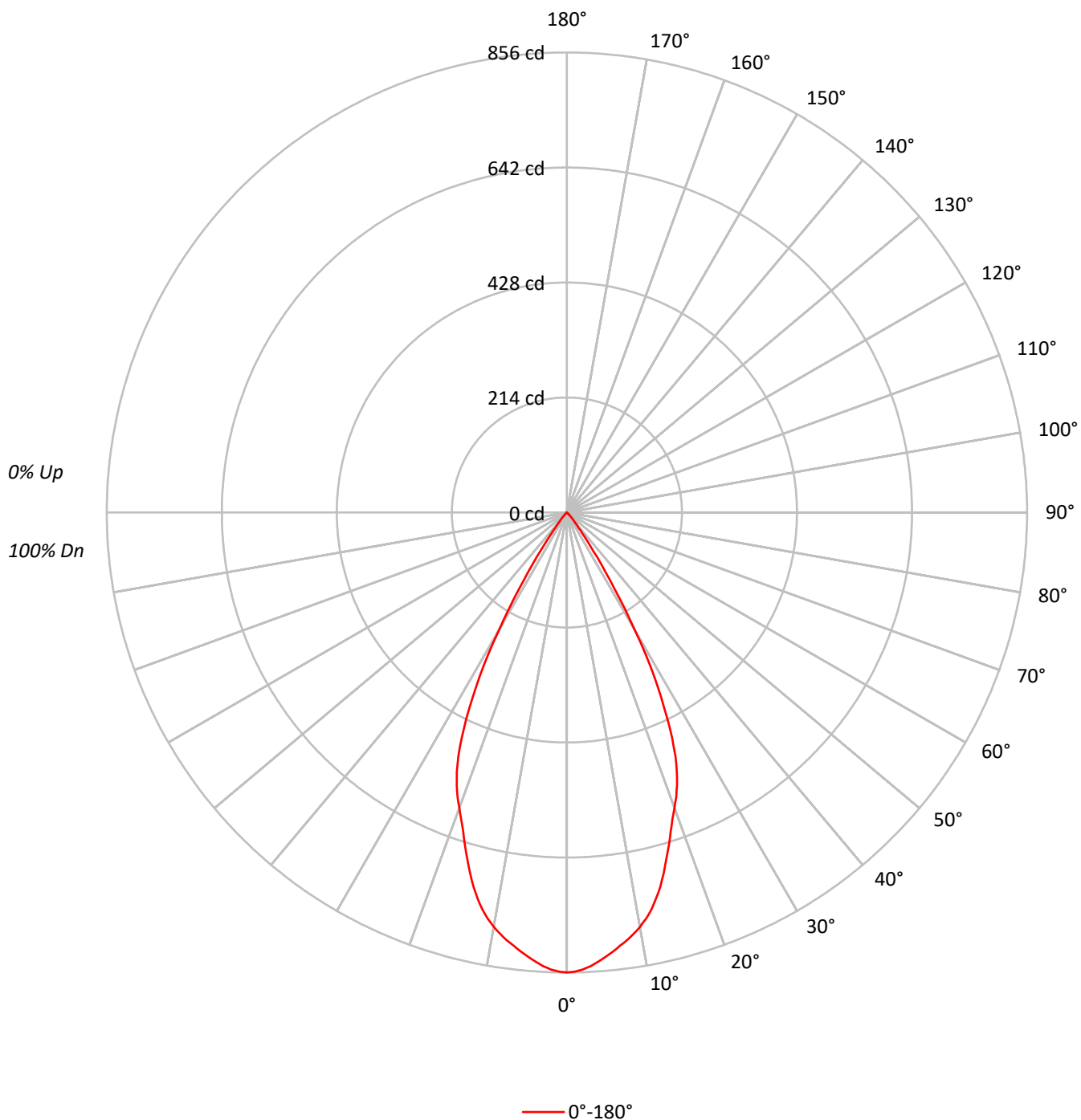
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1275507

CATALOG NUMBER: P3AS05R509835DE010 E3D1H

Luminous Intensity Polar Plot



TEST NUMBER: P1275507

CATALOG NUMBER: P3AS05R509835DE010 E3D1H

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	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	74	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187660
5°	182654
10°	174323
15°	157799
20°	136535
25°	111998
30°	64339
35°	19970
40°	5382
45°	1892
50°	443
55°	153
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1892 cd/sqm

TEST NUMBER: P1275507

CATALOG NUMBER: P3AS05R509835DE010 E3D1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	14.5
10°-20°	192.6	35.9
20°-30°	202.4	37.7
30°-40°	57.9	10.8
40°-50°	5.7	1.1
50°-60°	0.5	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°	472.8	88.0
0°-40°	530.7	98.8
0°-60°	536.9	100.0
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	856	
5°	830	78
15°	695	193
25°	463	202
35°	75	58
45°	6	6
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1275507

CATALOG NUMBER: P3AS05R509835DE010 E3D1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	855.8
1°	854.5
2°	850.7
3°	845.2
4°	837.8
5°	829.8
6°	821.3
7°	812.2
8°	803.7
9°	793.8
10°	782.9
11°	770.2
12°	755.6
13°	737.4
14°	717.7
15°	695.1
16°	671.3
17°	648.1
18°	624.5
19°	603.6
20°	585.1
21°	567.2
22°	547.0
23°	523.7
24°	496.4
25°	462.9
26°	426.5
27°	385.9
28°	345.6
29°	302.0
30°	254.1
31°	209.2
32°	167.9
32.5°	149.9
33°	131.7
34°	101.0
35°	74.6
36°	54.8
37°	40.7
37.5°	35.2
38°	30.5
39°	23.7
40°	18.8
42.5°	10.6
45°	6.1



TEST NUMBER: P1275507

CATALOG NUMBER: P3AS05R509835DE010 E3D1H

CANDELA DISTRIBUTION (continued):

	0°
47.5°	3.4
50°	1.3
52.5°	0.6
55°	0.4
57.5°	0.4
60°	0.2
62.5°	0.2
65°	0.2
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)