

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: P1266792

Luminaire Tested: P3A05R559735DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R559735DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

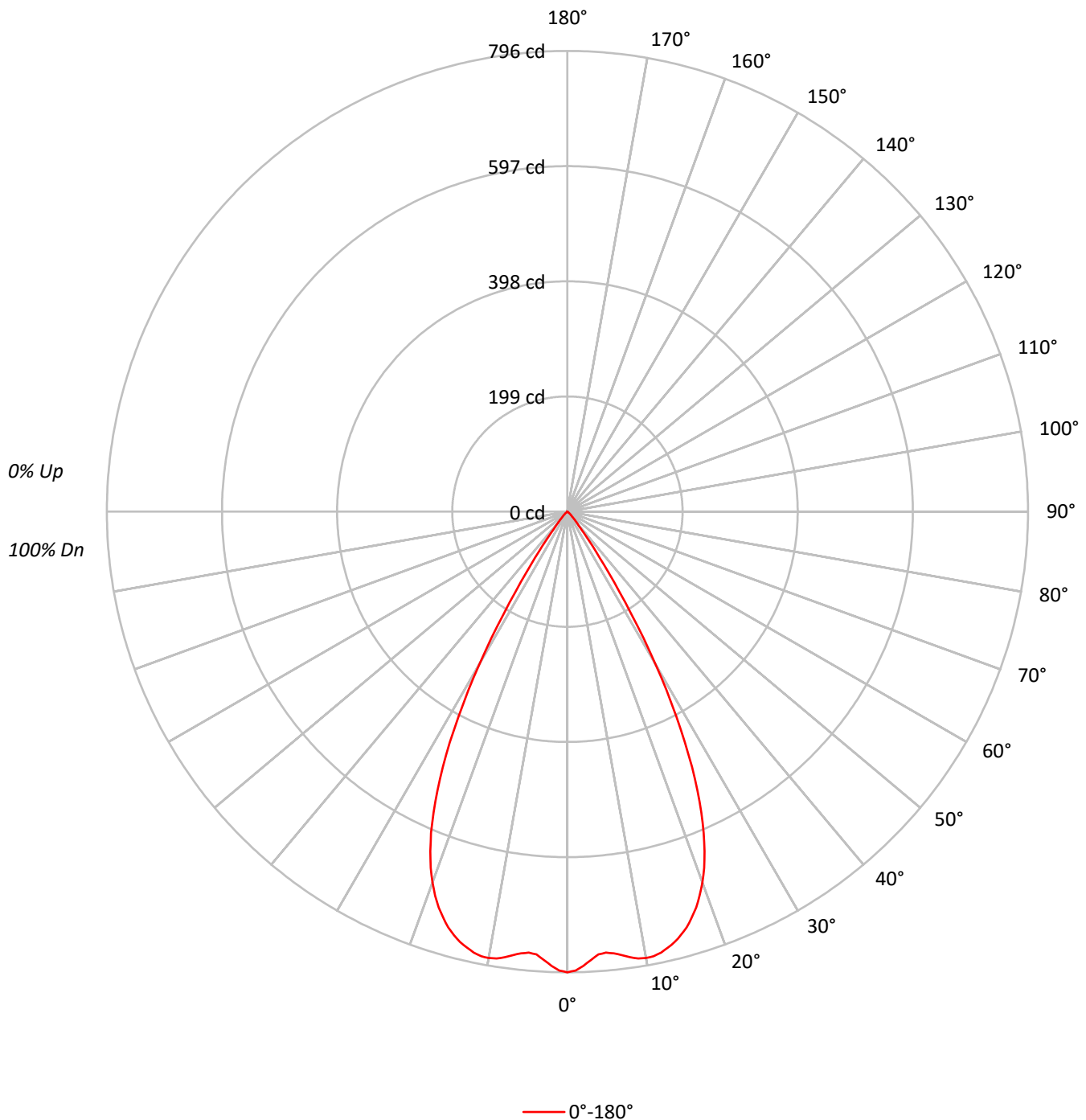
Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1266792

CATALOG NUMBER: P3A05R559735DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1266792

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	98	94	90	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82
6	91	83	78	74	90	82	77	74	81	76	73		80	76	73		78
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174569
5°	168390
10°	174412
15°	171965
20°	159147
25°	128717
30°	77126
35°	26154
40°	7214
45°	3194
50°	921
55°	191
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3194 cd/sqm

TEST NUMBER: P1266792

CATALOG NUMBER: P3A05R559735DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	12.3
10°-20°	210.9	35.0
20°-30°	234.4	38.9
30°-40°	73.0	12.1
40°-50°	8.8	1.5
50°-60°	0.7	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°	519.3	86.3
0°-40°	592.3	98.4
0°-60°	601.7	100.0
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	796	
5°	765	74
15°	758	211
25°	532	234
35°	98	73
45°	10	9
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1266792

CATALOG NUMBER: P3A05R559735DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	796.1
1°	793.1
2°	785.4
3°	775.8
4°	767.1
5°	765.0
6°	767.3
7°	772.1
8°	777.6
9°	781.9
10°	783.3
11°	782.4
12°	778.7
13°	773.0
14°	766.4
15°	757.5
16°	747.2
17°	734.1
18°	719.5
19°	701.9
20°	682.0
21°	659.4
22°	632.6
23°	603.1
24°	569.2
25°	532.0
26°	491.0
27°	447.6
28°	401.1
29°	353.3
30°	304.6
31°	255.7
32°	207.9
32.5°	186.6
33°	164.7
34°	127.4
35°	97.7
36°	74.3
37°	55.1
37.5°	47.1
38°	40.9
39°	31.1
40°	25.2
42.5°	16.0
45°	10.3



TEST NUMBER: P1266792

CATALOG NUMBER: P3A05R559735DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	6.2
50°	2.7
52.5°	0.9
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
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)