

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: P1266238

Luminaire Tested: P3A02R309735DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1266238
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: P3A02R309735DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

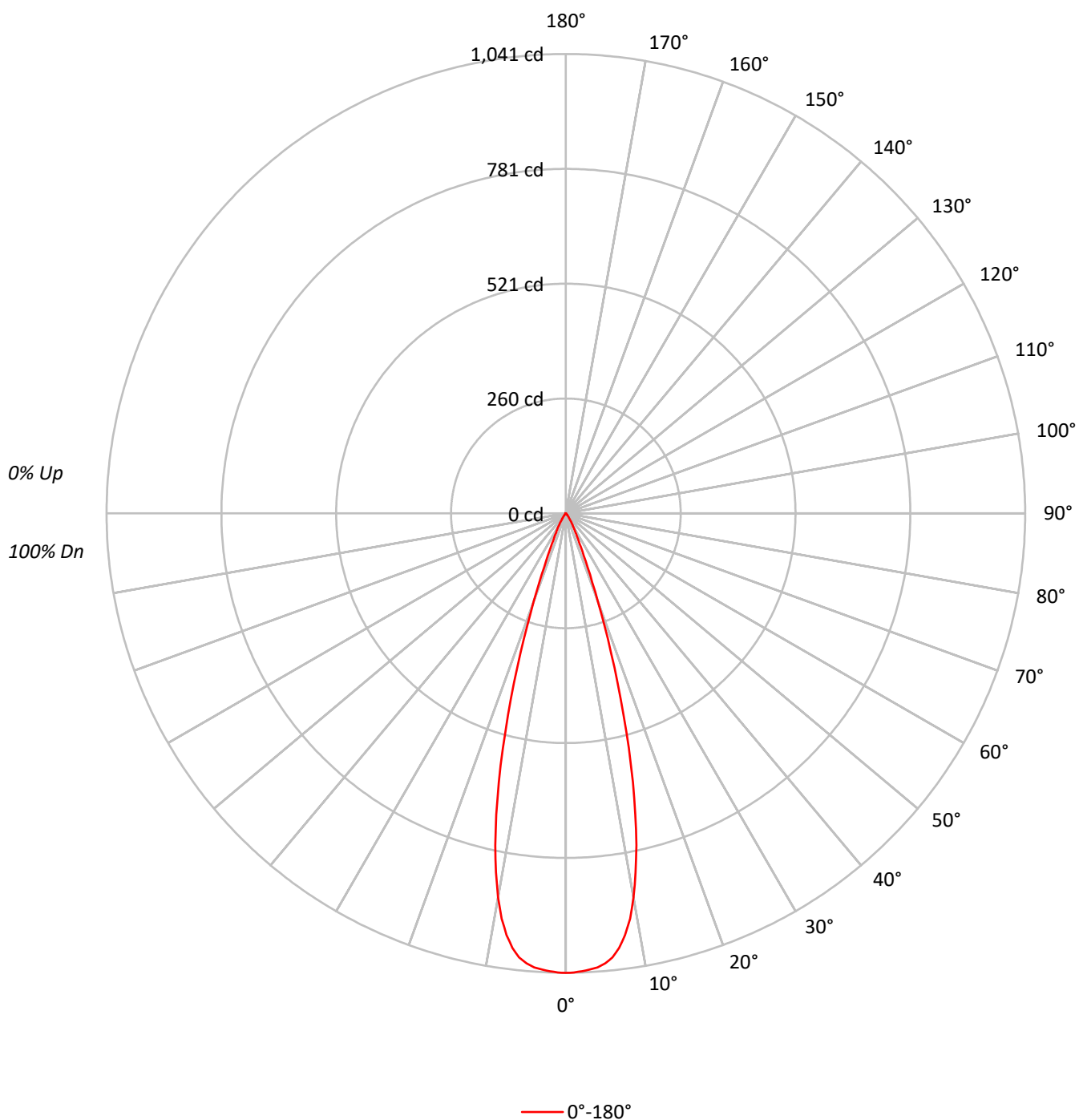
Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1266238

CATALOG NUMBER: P3A02R309735DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1266238

CATALOG NUMBER: P3A02R309735DE010 E3D1WMH

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	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	228337
5°	225357
10°	196768
15°	125063
20°	49541
25°	16549
30°	7697
35°	3480
40°	1345
45°	651
50°	205
55°	76
60°	44
65°	52
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 651 cd/sqm

TEST NUMBER: P1266238

CATALOG NUMBER: P3A02R309735DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	32.6
10°-20°	145.2	50.6
20°-30°	37.4	13.0
30°-40°	8.8	3.1
40°-50°	1.7	0.6
50°-60°	0.2	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°	276.2	96.2
0°-40°	285.0	99.3
0°-60°	286.9	100.0
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1041	
5°	1024	94
15°	551	145
25°	68	37
35°	13	9
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1266238

CATALOG NUMBER: P3A02R309735DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1041.3
1°	1040.6
2°	1038.1
3°	1035.3
4°	1031.2
5°	1023.8
6°	1011.9
7°	992.1
8°	965.0
9°	929.7
10°	883.7
11°	829.0
12°	769.3
13°	700.5
14°	628.6
15°	550.9
16°	474.8
17°	401.5
18°	331.2
19°	266.7
20°	212.3
21°	167.1
22°	131.5
23°	104.1
24°	83.3
25°	68.4
26°	57.0
27°	48.5
28°	41.9
29°	35.9
30°	30.4
32.5°	19.2
35°	13.0
37.5°	8.1
40°	4.7
42.5°	3.1
45°	2.1
47.5°	1.2
50°	0.6
52.5°	0.2
55°	0.2
57.5°	0.1
60°	0.1
62.5°	0.1
65°	0.1



TEST NUMBER: P1266238

CATALOG NUMBER: P3A02R309735DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.1
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)