

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: P1263799

Luminaire Tested: P3A02R209730DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R209730DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

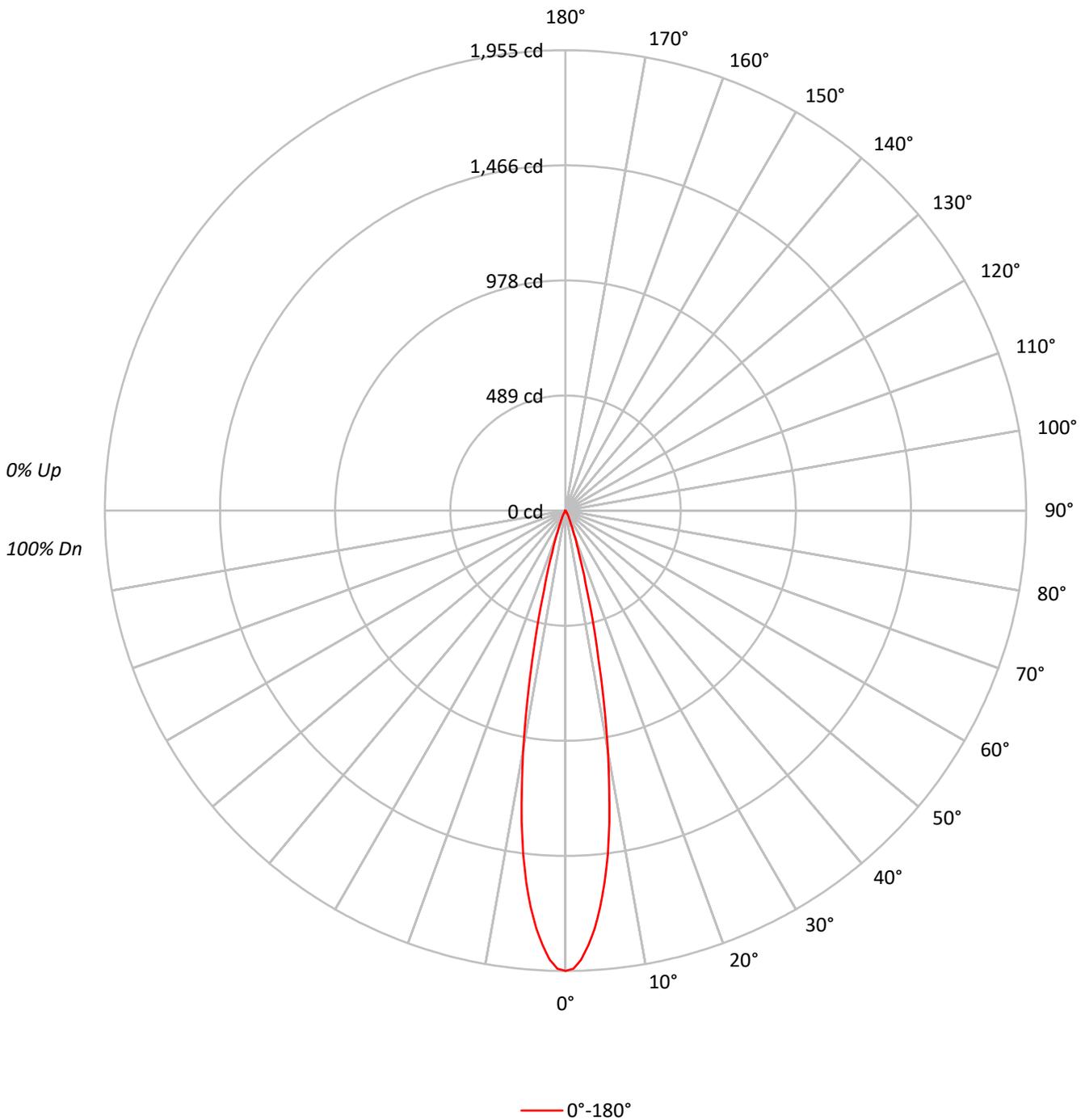
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 275.9 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
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: P1263799
CATALOG NUMBER: P3A02R209730DE010 E3D1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1263799
 CATALOG NUMBER: P3A02R209730DE010 E3D1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	93	96	94	92	96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	94	92	91	90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	93	90	89	88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	91	89	87	86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	89	87	85	85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	88	86	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	87	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	428650
5°	372066
10°	229900
15°	79842
20°	24525
25°	8662
30°	3216
35°	1285
40°	687
45°	279
50°	136
55°	153
60°	175
65°	104
70°	128
75°	169
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 279 cd/sqm



TEST NUMBER: P1263799
 CATALOG NUMBER: P3A02R209730DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	50.8
10°-20°	111.3	40.3
20°-30°	19.3	7.0
30°-40°	3.5	1.3
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.2	0.1
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°	270.9	98.2
0°-40°	274.4	99.4
0°-60°	275.5	99.9
0°-90°	275.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1955	
5°	1690	140
15°	352	111
25°	36	19
35°	5	4
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1263799
CATALOG NUMBER: P3A02R209730DE010 E3D1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1954.8
1°	1945.4
2°	1908.3
3°	1848.7
4°	1778.8
5°	1690.3
6°	1588.9
7°	1470.9
8°	1336.6
9°	1185.6
10°	1032.5
12.5°	651.3
15°	351.7
17.5°	187.9
20°	105.1
22.5°	60.1
25°	35.8
27.5°	21.8
30°	12.7
32.5°	7.4
35°	4.8
37.5°	3.3
40°	2.4
42.5°	1.5
45°	0.9
47.5°	0.4
50°	0.4
52.5°	0.4
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)