

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: P1272887

Luminaire Tested: P3A02R159830DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R159830DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

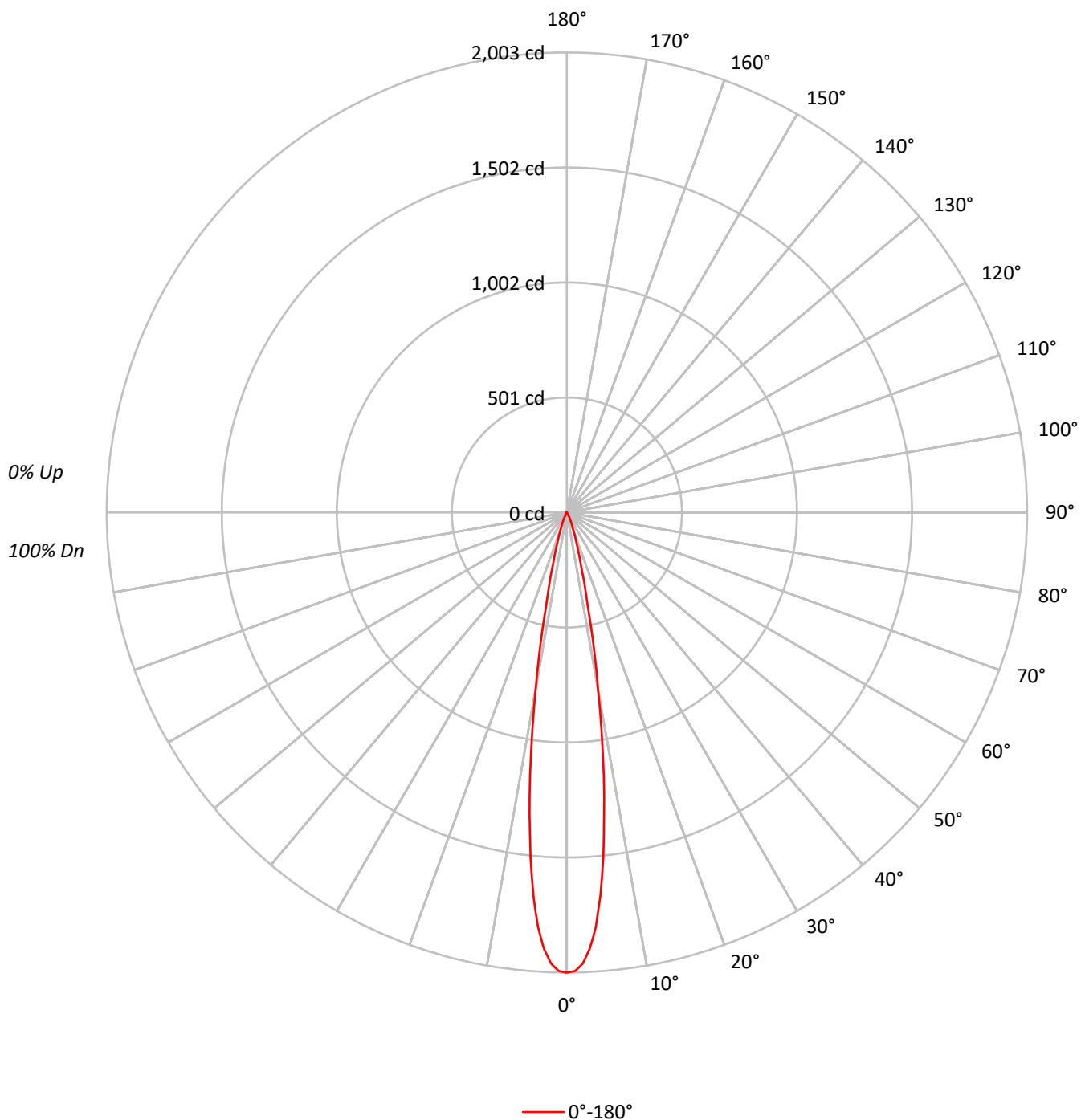
Lumens per Lamp: N/A
Luminaire Lumens: 226.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272887

CATALOG NUMBER: P3A02R159830DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272887

CATALOG NUMBER: P3A02R159830DE010 E3CD1MW

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	439285
5°	368170
10°	173433
15°	52282
20°	19345
25°	7525
30°	2811
35°	857
40°	315
45°	155
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: 60°

Luminance: 175 cd/sqm

TEST NUMBER: P1272887

CATALOG NUMBER: P3A02R159830DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	57.2
10°-20°	76.9	34.0
20°-30°	16.1	7.1
30°-40°	2.6	1.2
40°-50°	0.4	0.2
50°-60°	0.4	0.2
60°-70°	0.2	0.1
70°-80°	0.1	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°	222.3	98.3
0°-40°	224.9	99.5
0°-60°	225.7	99.8
0°-90°	226.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2003	
5°	1673	129
15°	230	77
25°	31	16
35°	3	3
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1272887

CATALOG NUMBER: P3A02R159830DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2003.3
1°	1997.1
2°	1965.3
3°	1901.7
4°	1808.4
5°	1672.6
6°	1513.0
7°	1330.6
8°	1156.4
9°	959.1
10°	778.9
12.5°	420.2
15°	230.3
17.5°	134.9
20°	82.9
22.5°	50.7
25°	31.1
27.5°	18.8
30°	11.1
32.5°	6.3
35°	3.2
37.5°	1.8
40°	1.1
42.5°	0.7
45°	0.5
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°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)