

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: P1261385

Luminaire Tested: P3AS02R159727DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1261385
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: P3AS02R159727DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

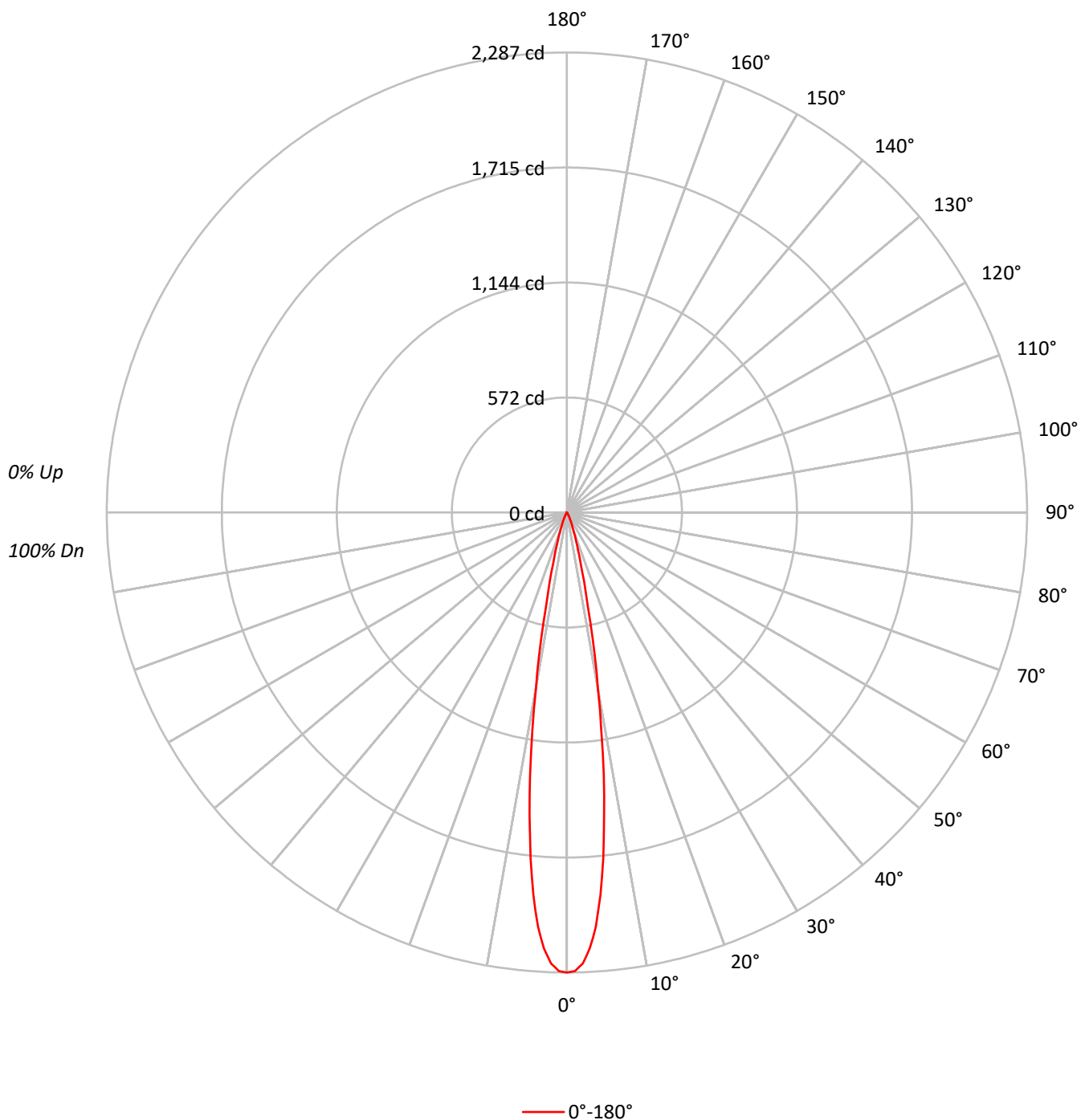
Lumens per Lamp: N/A
Luminaire Lumens: 257.9 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1261385

CATALOG NUMBER: P3AS02R159727DE010 E3CD1MW

Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	501495
5°	420294
10°	197970
15°	59683
20°	22075
25°	8589
30°	3190
35°	990
40°	344
45°	186
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: 186 cd/sqm

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CATALOG NUMBER: P3AS02R159727DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	57.2
10°-20°	87.7	34.0
20°-30°	18.4	7.1
30°-40°	3.0	1.1
40°-50°	0.5	0.2
50°-60°	0.4	0.1
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°	253.8	98.4
0°-40°	256.7	99.5
0°-60°	257.6	99.9
0°-90°	257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	257.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2287	
5°	1909	148
15°	263	88
25°	36	18
35°	4	3
45°	1	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2287.0
1°	2279.8
2°	2243.5
3°	2170.9
4°	2064.4
5°	1909.4
6°	1727.3
7°	1519.0
8°	1320.1
9°	1094.9
10°	889.1
12.5°	479.8
15°	262.9
17.5°	154.0
20°	94.6
22.5°	57.9
25°	35.5
27.5°	21.4
30°	12.6
32.5°	7.1
35°	3.7
37.5°	2.0
40°	1.2
42.5°	0.8
45°	0.6
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)