

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: P1287182

Luminaire Tested: P3AS13R409030D2WDE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1287182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R409030D2WDE010 E3CD1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3CD1M'
TRIM
Light Source: -
Ballast/Driver: -

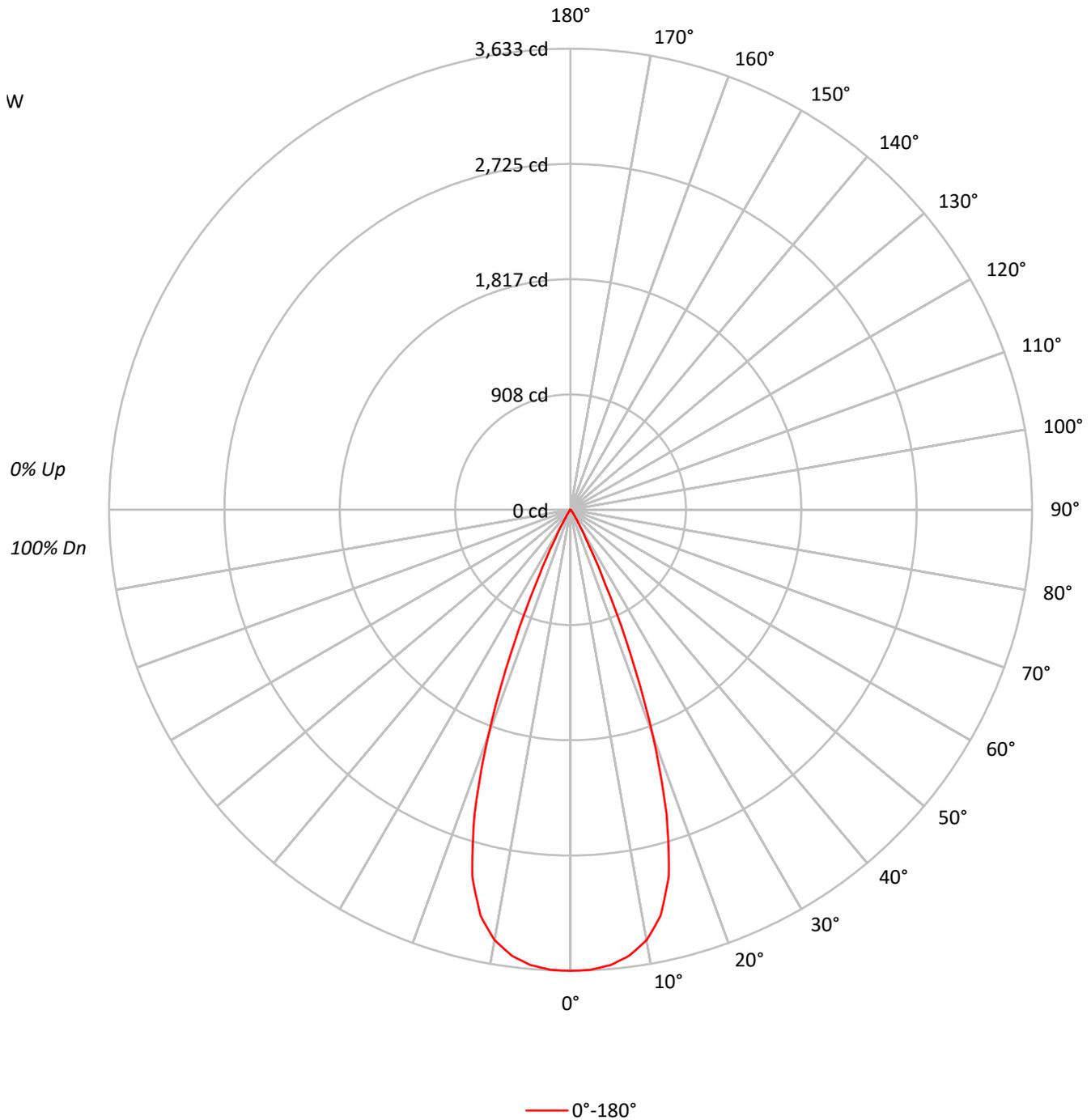
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1513.1 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96				96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92				92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89				89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85				85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82				82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79				79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76				76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73				73
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71				71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69				69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	796625
5°	792800
10°	766964
15°	678551
20°	442718
25°	156832
30°	33271
35°	10949
40°	4008
45°	1333
50°	1092
55°	1223
60°	965
65°	1141
70°	705
75°	932
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 1848 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.9	22.4
10°-20°	789.2	52.2
20°-30°	342.5	22.6
30°-40°	31.6	2.1
40°-50°	4.5	0.3
50°-60°	2.8	0.2
60°-70°	2.0	0.1
70°-80°	1.2	0.1
80°-90°	0.4	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°	1470.6	97.2
0°-40°	1502.2	99.3
0°-60°	1509.4	99.8
0°-90°	1513.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1513.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3633	
5°	3602	339
15°	2989	789
25°	648	342
35°	41	32
45°	4	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3632.9
2.5°	3628.6
5°	3601.7
7.5°	3544.6
10°	3444.5
12.5°	3275.5
15°	2989.0
17.5°	2514.2
20°	1897.2
22.5°	1231.8
25°	648.2
27.5°	278.9
30°	131.4
32.5°	71.1
35°	40.9
37.5°	24.8
40°	14.0
42.5°	7.5
45°	4.3
47.5°	3.2
50°	3.2
52.5°	3.2
55°	3.2
57.5°	3.2
60°	2.2
62.5°	2.2
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)