

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: P1265488

Luminaire Tested: P3A17R459730DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R459730DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

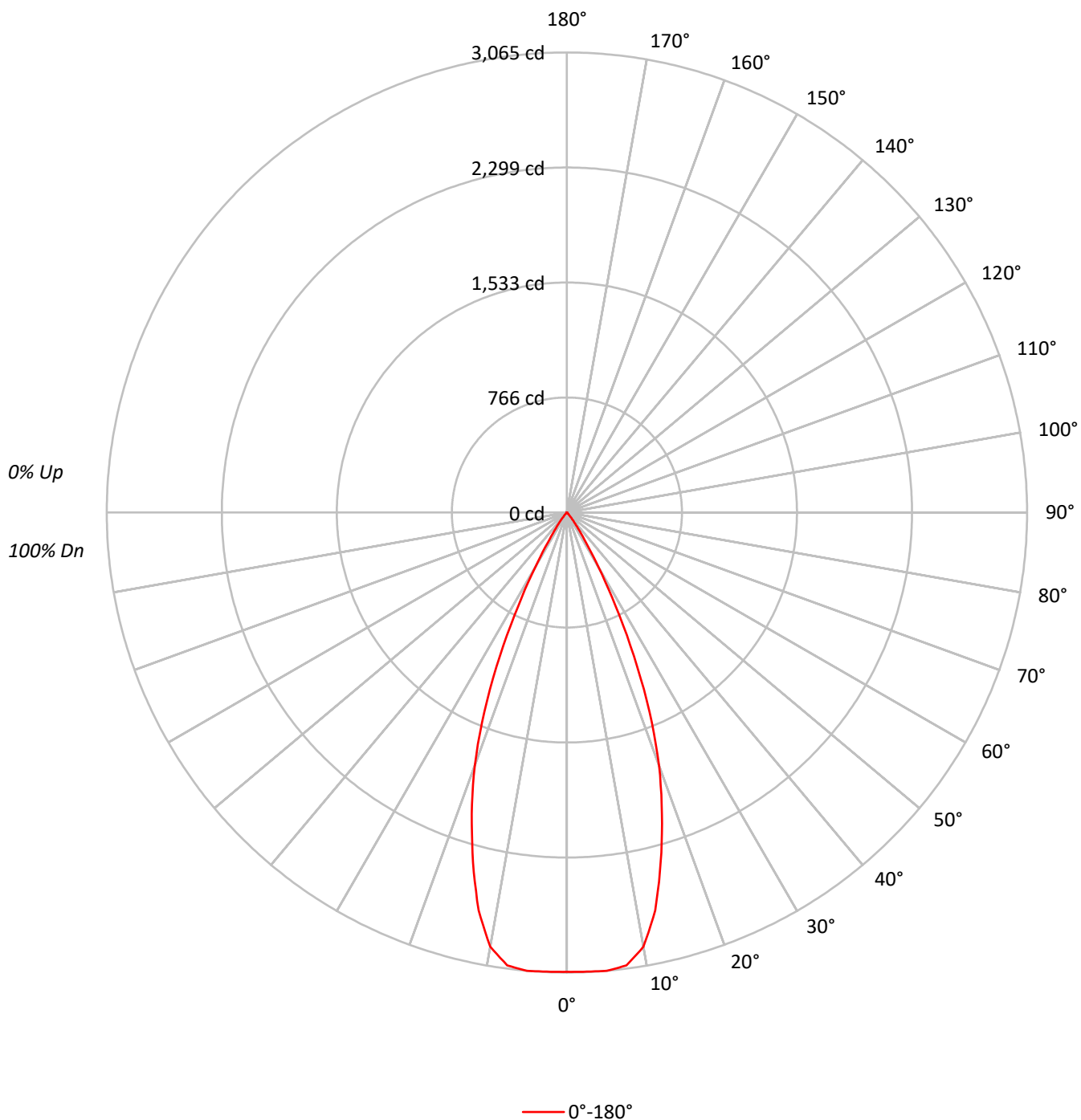
Lumens per Lamp: N/A
Luminaire Lumens: 1548.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RC	80					70					50					30					10
RW	70	50	30	10		70	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
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	98		101	98	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	91	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	67	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	671152
5°	674729
10°	653985
15°	548039
20°	418940
25°	255039
30°	106118
35°	33997
40°	10563
45°	2140
50°	1569
55°	1759
60°	1535
65°	1816
70°	1475
75°	1949
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2140 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	18.7
10°-20°	663.5	42.9
20°-30°	477.7	30.9
30°-40°	99.4	6.4
40°-50°	9.1	0.6
50°-60°	3.7	0.2
60°-70°	3.0	0.2
70°-80°	2.0	0.1
80°-90°	0.5	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°	1430.3	92.4
0°-40°	1529.7	98.8
0°-60°	1542.6	99.6
0°-90°	1548.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1548.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3061	
5°	3065	289
15°	2414	664
25°	1054	478
35°	127	99
45°	7	9
55°	5	4
65°	4	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3060.7
2.5°	3061.8
5°	3065.3
7.5°	3043.3
10°	2937.1
12.5°	2715.5
15°	2414.1
17.5°	2105.9
20°	1795.3
22.5°	1438.5
25°	1054.1
27.5°	695.0
30°	419.1
32.5°	234.4
35°	127.0
37.5°	71.6
40°	36.9
42.5°	16.2
45°	6.9
47.5°	4.6
50°	4.6
52.5°	4.6
55°	4.6
57.5°	3.5
60°	3.5
62.5°	3.5
65°	3.5
67.5°	2.3
70°	2.3
72.5°	2.3
75°	2.3
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)