

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: P1301099

Luminaire Tested: P3A17R45W2N902750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301099
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: P3A17R45W2N902750DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

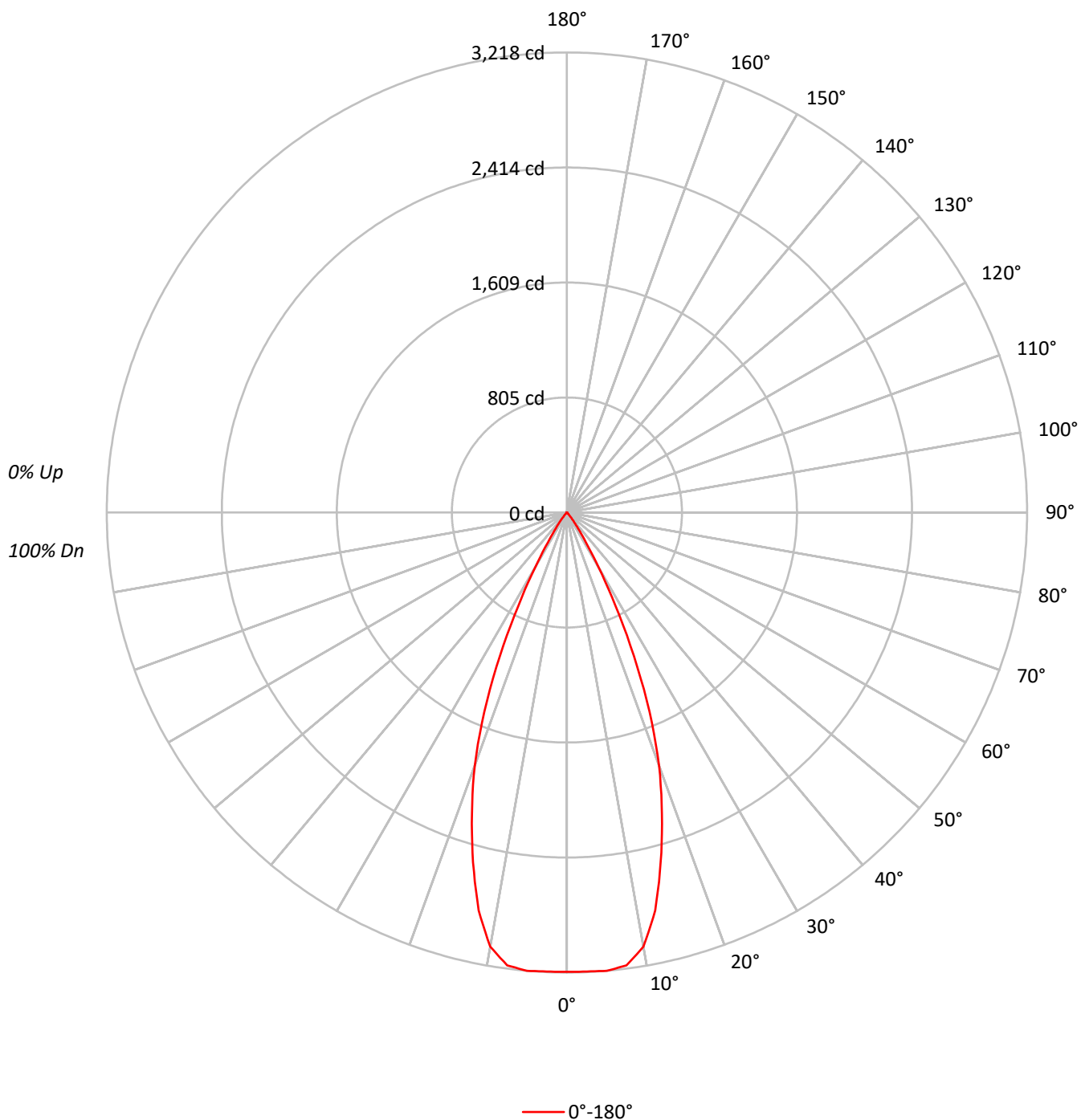
Lumens per Lamp: N/A
Luminaire Lumens: 1624.9 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97		95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95	94	92		91
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88		87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88	86	84		83
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80		79
6	94	87	82	78	93	86	81	78	85	80	77		83	80	77		82	79	76		75
7	90	83	78	74	89	82	78	74	81	77	74		80	76	74		79	76	73		72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76	73	70		69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73	70	67		66
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71	67	65		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	704527
5°	708275
10°	686516
15°	575304
20°	439778
25°	267717
30°	111384
35°	35683
40°	11107
45°	2264
50°	1637
55°	1835
60°	1579
65°	1868
70°	1539
75°	2033
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.5	18.7
10°-20°	696.5	42.9
20°-30°	501.5	30.9
30°-40°	104.3	6.4
40°-50°	9.5	0.6
50°-60°	3.9	0.2
60°-70°	3.1	0.2
70°-80°	2.1	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°	1501.5	92.4
0°-40°	1605.8	98.8
0°-60°	1619.2	99.7
0°-90°	1624.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1624.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3213	
5°	3218	303
15°	2534	697
25°	1106	502
35°	133	104
45°	7	10
55°	5	4
65°	4	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3212.9
2.5°	3214.1
5°	3217.7
7.5°	3194.7
10°	3083.2
12.5°	2850.5
15°	2534.2
17.5°	2210.6
20°	1884.6
22.5°	1510.1
25°	1106.5
27.5°	729.6
30°	439.9
32.5°	246.0
35°	133.3
37.5°	75.1
40°	38.8
42.5°	17.0
45°	7.3
47.5°	4.8
50°	4.8
52.5°	4.8
55°	4.8
57.5°	3.6
60°	3.6
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)