

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: P1301123

Luminaire Tested: P3A17R45W2N902750DE010 E3DL1MW_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R45W2N902750DE010 E3DL1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

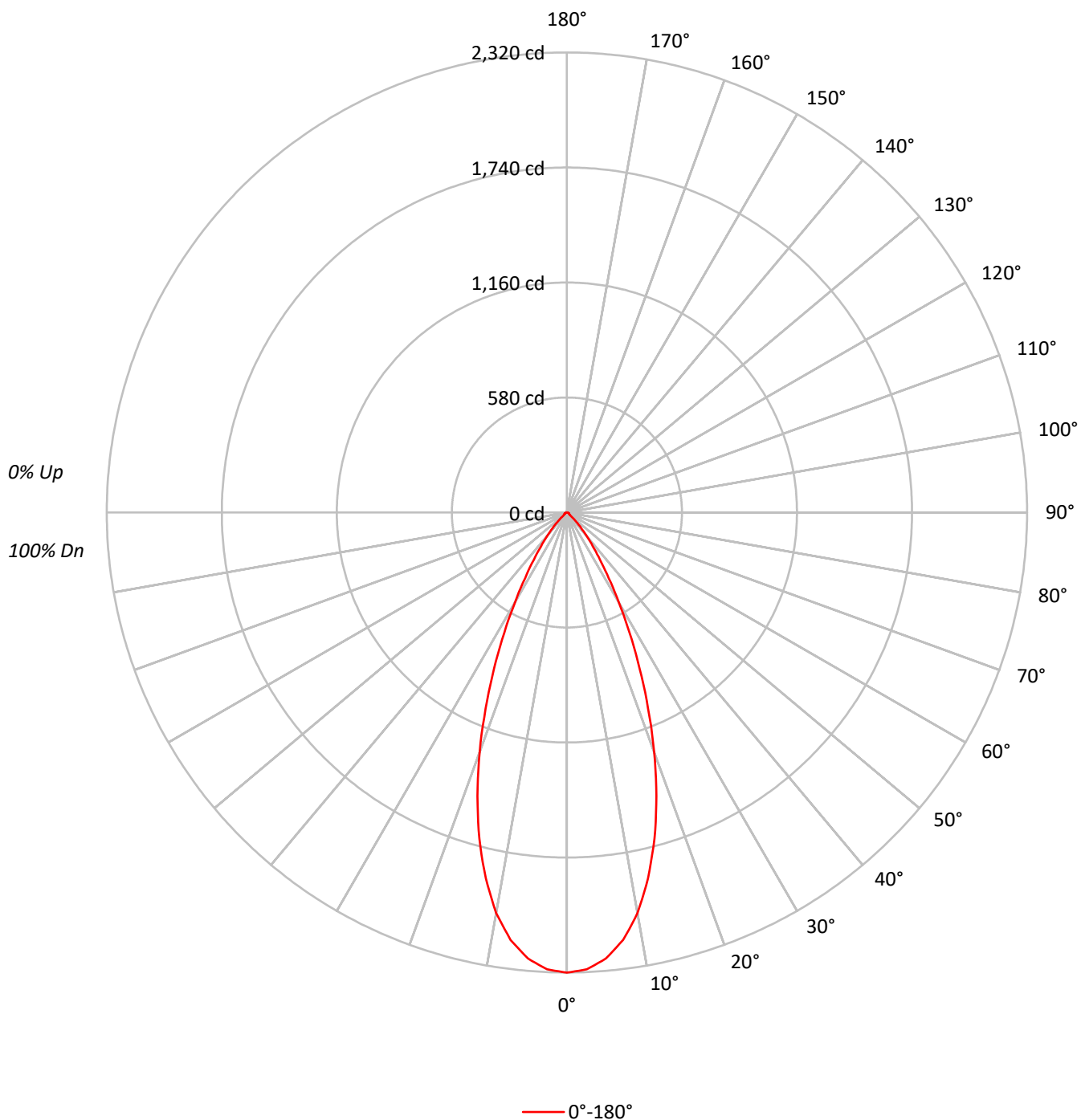
Lumens per Lamp: N/A
Luminaire Lumens: 1355.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90		88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84		83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79		78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75		74
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77	74	71		70
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74	70	67		66
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70	67	64		62
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67	63	61		59
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	508841
5°	496917
10°	456794
15°	387062
20°	300303
25°	209915
30°	132248
35°	77845
40°	44054
45°	21429
50°	7437
55°	6040
60°	5833
65°	5656
70°	5450
75°	5168
80°	4546
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21429 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	15.4
10°-20°	468.2	34.6
20°-30°	397.6	29.3
30°-40°	189.7	14.0
40°-50°	57.1	4.2
50°-60°	14.5	1.1
60°-70°	10.8	0.8
70°-80°	6.4	0.5
80°-90°	1.8	0.1
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°	1074.7	79.3
0°-40°	1264.4	93.3
0°-60°	1336.0	98.6
0°-90°	1355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2320	
5°	2258	209
15°	1705	468
25°	868	398
35°	291	190
45°	69	57
55°	16	14
65°	11	11
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2320.5
2.5°	2306.0
5°	2257.5
7.5°	2173.9
10°	2051.5
12.5°	1889.1
15°	1705.0
17.5°	1500.2
20°	1286.9
22.5°	1070.0
25°	867.6
27.5°	683.4
30°	522.3
32.5°	392.6
35°	290.8
37.5°	214.5
40°	153.9
42.5°	106.6
45°	69.1
47.5°	38.8
50°	21.8
52.5°	17.0
55°	15.8
57.5°	14.5
60°	13.3
62.5°	12.1
65°	10.9
67.5°	9.7
70°	8.5
72.5°	7.3
75°	6.1
77.5°	4.8
80°	3.6
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)