

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: P1301116

Luminaire Tested: P3A17R45W2N902750DE010 E3DL1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301116
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 E3DL1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

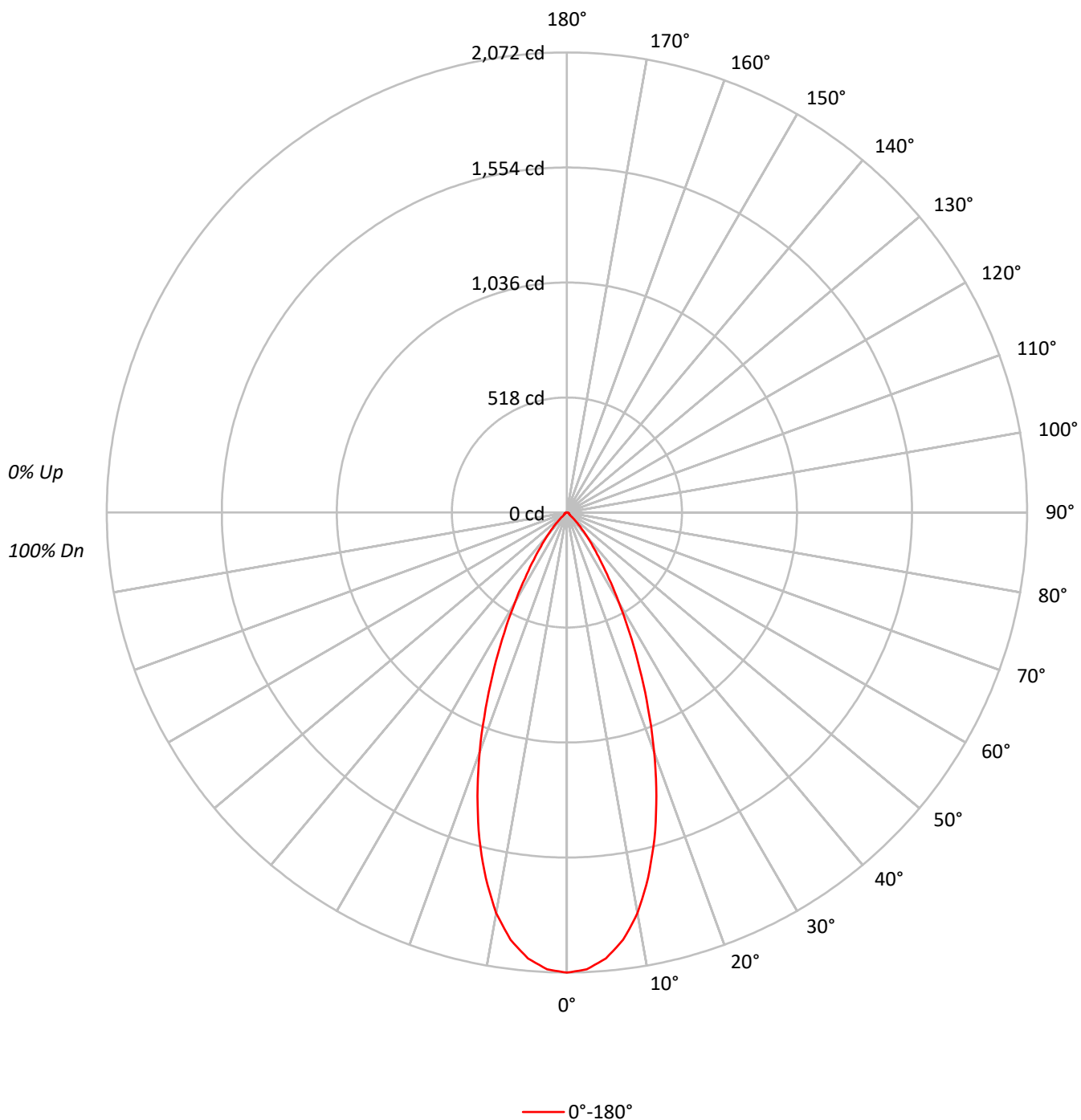
Lumens per Lamp: N/A
Luminaire Lumens: 1210.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	76	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°	454393
5°	443736
10°	407919
15°	345632
20°	268170
25°	187462
30°	118094
35°	69520
40°	39331
45°	19134
50°	6652
55°	5390
60°	5219
65°	5033
70°	4873
75°	4575
80°	4041
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	15.4
10°-20°	418.1	34.6
20°-30°	355.0	29.3
30°-40°	169.4	14.0
40°-50°	51.0	4.2
50°-60°	12.9	1.1
60°-70°	9.6	0.8
70°-80°	5.7	0.5
80°-90°	1.6	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°	959.7	79.3
0°-40°	1129.1	93.3
0°-60°	1193.0	98.6
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2072	
5°	2016	187
15°	1522	418
25°	775	355
35°	260	169
45°	62	51
55°	14	13
65°	10	10
75°	5	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2072.2
2.5°	2059.2
5°	2015.9
7.5°	1941.3
10°	1832.0
12.5°	1687.0
15°	1522.5
17.5°	1339.6
20°	1149.2
22.5°	955.5
25°	774.8
27.5°	610.3
30°	466.4
32.5°	350.6
35°	259.7
37.5°	191.5
40°	137.4
42.5°	95.2
45°	61.7
47.5°	34.6
50°	19.5
52.5°	15.1
55°	14.1
57.5°	13.0
60°	11.9
62.5°	10.8
65°	9.7
67.5°	8.7
70°	7.6
72.5°	6.5
75°	5.4
77.5°	4.3
80°	3.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)