

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: P1297321

Luminaire Tested: P3A13R45W2N902750DE010 E3DL1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297321
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: P3A13R45W2N902750DE010 E3DL1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

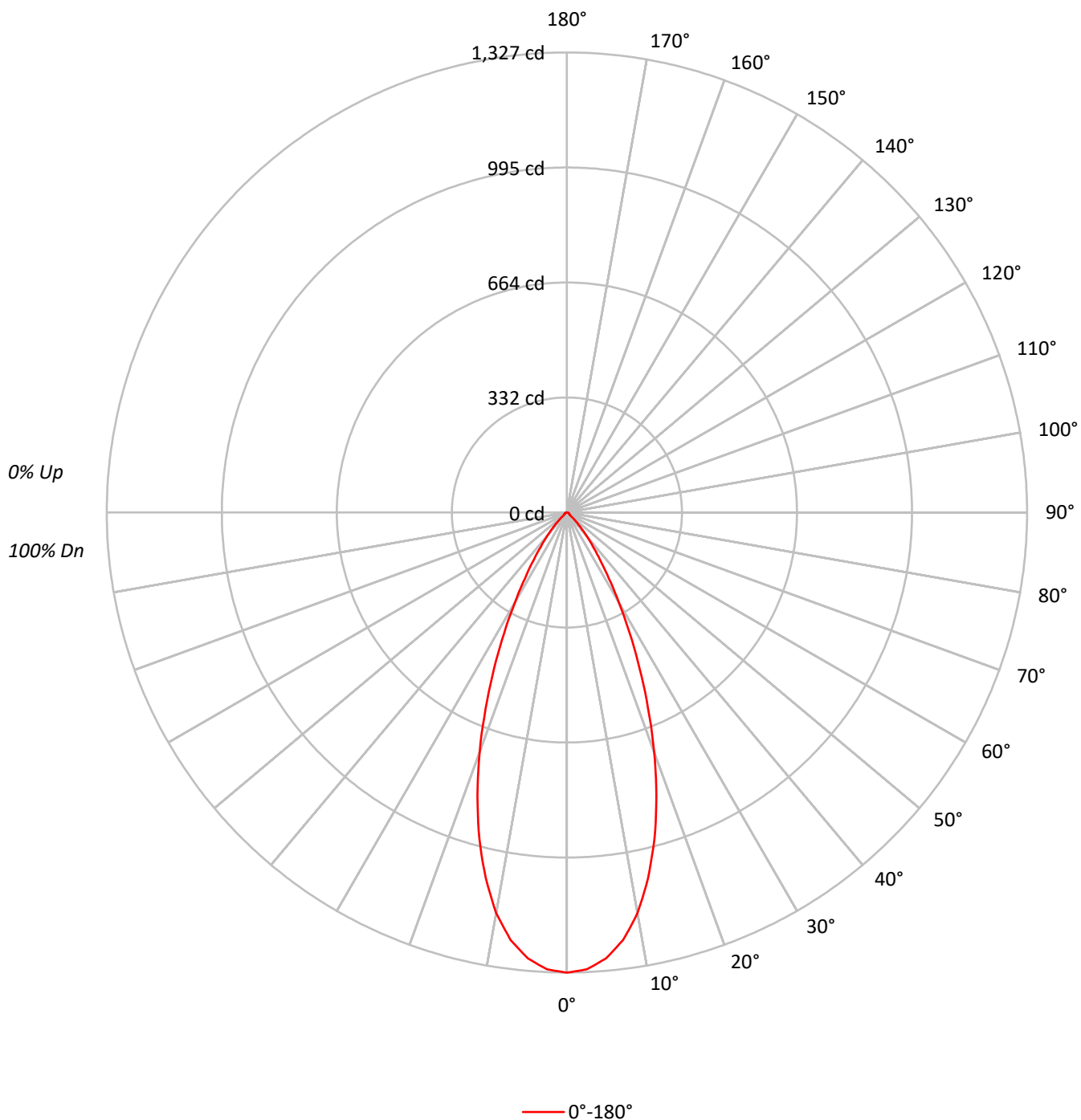
Lumens per Lamp: N/A
Luminaire Lumens: 775.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	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°	291029
5°	284217
10°	261273
15°	221386
20°	171748
25°	120055
30°	75632
35°	44517
40°	25190
45°	12249
50°	4264
55°	3441
60°	3333
65°	3217
70°	3142
75°	2965
80°	2652
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	15.4
10°-20°	267.8	34.6
20°-30°	227.4	29.3
30°-40°	108.5	14.0
40°-50°	32.7	4.2
50°-60°	8.3	1.1
60°-70°	6.1	0.8
70°-80°	3.7	0.5
80°-90°	1.0	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°	614.7	79.3
0°-40°	723.2	93.3
0°-60°	764.1	98.6
0°-90°	775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1327	
5°	1291	120
15°	975	268
25°	496	227
35°	166	108
45°	40	33
55°	9	8
65°	6	6
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1327.2
2.5°	1318.9
5°	1291.2
7.5°	1243.4
10°	1173.4
12.5°	1080.5
15°	975.2
17.5°	858.0
20°	736.0
22.5°	612.0
25°	496.2
27.5°	390.9
30°	298.7
32.5°	224.6
35°	166.3
37.5°	122.7
40°	88.0
42.5°	61.0
45°	39.5
47.5°	22.2
50°	12.5
52.5°	9.7
55°	9.0
57.5°	8.3
60°	7.6
62.5°	6.9
65°	6.2
67.5°	5.5
70°	4.9
72.5°	4.2
75°	3.5
77.5°	2.8
80°	2.1
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)