

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: P1297494

Luminaire Tested: P3A13R45W2N902765DE010 E3DLD1LI_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R45W2N902765DE010 E3DLD1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

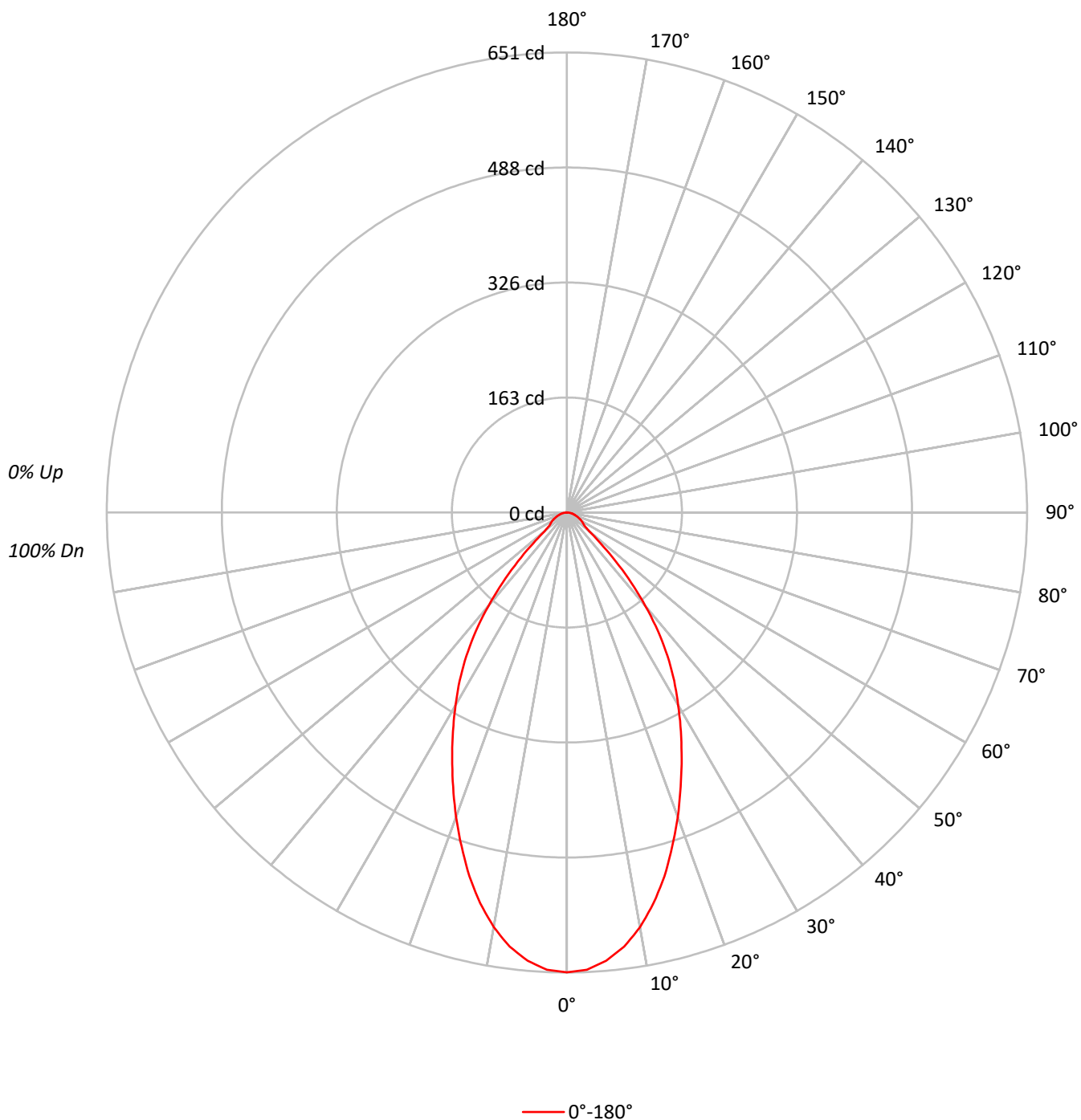
Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1297494

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLD1LI_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297494

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLD1LI_4000K

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83	80	77	75
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72	68	65	63
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53	48	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142686
5°	140171
10°	132641
15°	120954
20°	106969
25°	92884
30°	79734
35°	66441
40°	49521
45°	30298
50°	14021
55°	10972
60°	10525
65°	9651
70°	8976
75°	8557
80°	7829
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30298 cd/sqm

TEST NUMBER: P1297494

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLD1LI_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	8.8
10°-20°	148.4	22.0
20°-30°	176.3	26.2
30°-40°	153.1	22.8
40°-50°	76.8	11.4
50°-60°	26.7	4.0
60°-70°	18.7	2.8
70°-80°	10.4	1.6
80°-90°	3.2	0.5
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°	384.1	57.1
0°-40°	537.2	79.8
0°-60°	640.7	95.2
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	651	
5°	637	59
15°	533	148
25°	384	176
35°	248	153
45°	98	77
55°	29	27
65°	19	19
75°	10	10
85°	2	3
90°	0	

TEST NUMBER: P1297494

CATALOG NUMBER: P3A13R45W2N902765DE010 E3DLD1LI_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	650.7
2.5°	647.6
5°	636.8
7.5°	619.7
10°	595.7
12.5°	566.2
15°	532.8
17.5°	495.6
20°	458.4
22.5°	420.4
25°	383.9
27.5°	349.0
30°	314.9
32.5°	282.3
35°	248.2
37.5°	211.7
40°	173.0
42.5°	135.0
45°	97.7
47.5°	64.4
50°	41.1
52.5°	31.8
55°	28.7
57.5°	26.4
60°	24.0
62.5°	21.7
65°	18.6
67.5°	16.3
70°	14.0
72.5°	11.6
75°	10.1
77.5°	7.8
80°	6.2
82.5°	4.7
85°	2.3
87.5°	1.6
90°	0.0

(END OF REPORT)