

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: P1297307

Luminaire Tested: P3A13R45W2N902750DE010 E3D1MW_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297307
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: P3A13R45W2N902750DE010 E3D1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

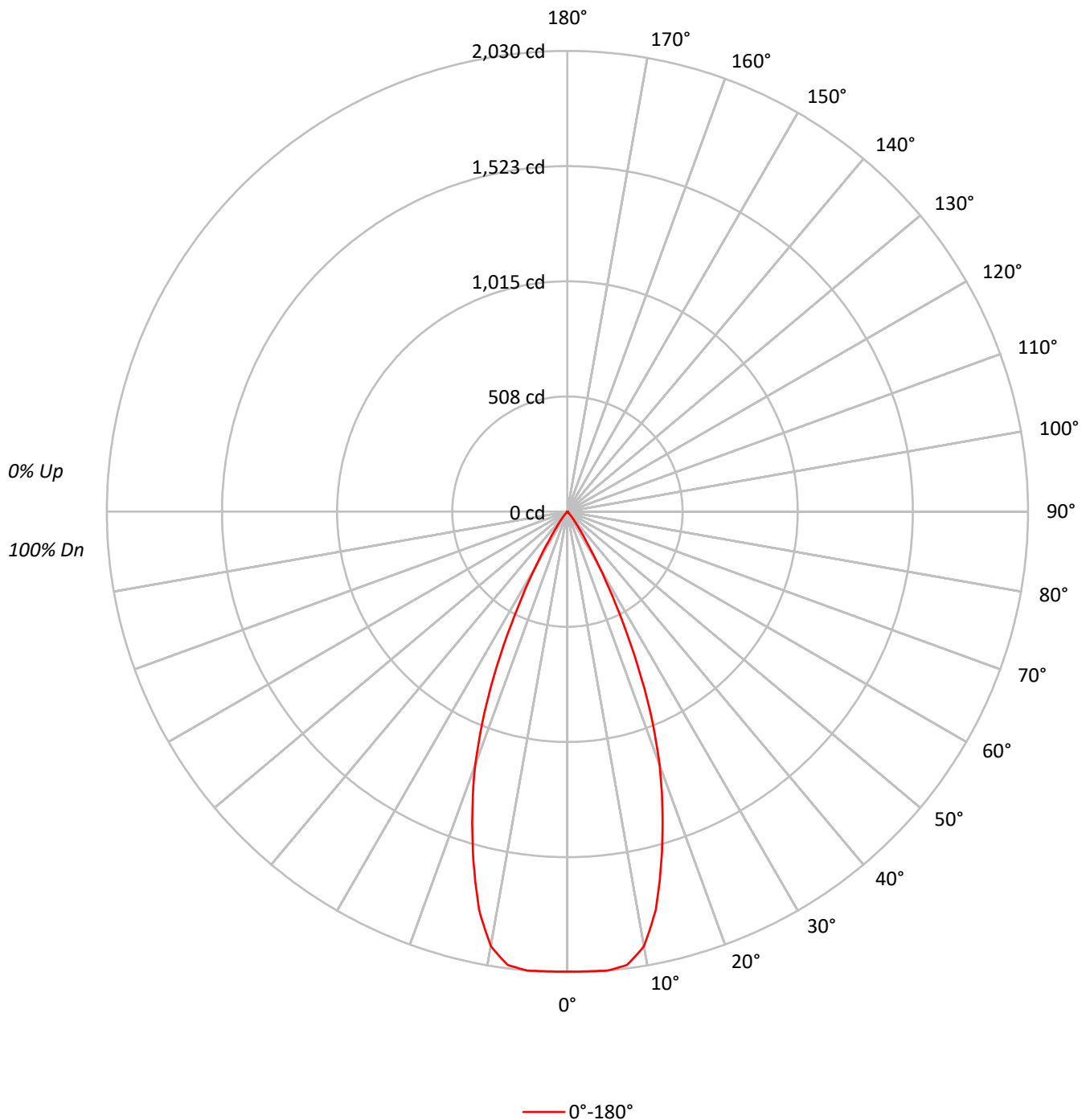
Lumens per Lamp: N/A
Luminaire Lumens: 1025.1 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1297307

CATALOG NUMBER: P3A13R45W2N902750DE010 E3D1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297307

CATALOG NUMBER: P3A13R45W2N902750DE010 E3D1MW_3000K

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		86
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		88	86	84		82
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°	444394
5°	446774
10°	433036
15°	362885
20°	277387
25°	168881
30°	70264
35°	22513
40°	7013
45°	1427
50°	1058
55°	1185
60°	1009
65°	1193
70°	962
75°	1271
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1427 cd/sqm

TEST NUMBER: P1297307

CATALOG NUMBER: P3A13R45W2N902750DE010 E3D1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	18.7
10°-20°	439.3	42.9
20°-30°	316.3	30.9
30°-40°	65.8	6.4
40°-50°	6.0	0.6
50°-60°	2.5	0.2
60°-70°	2.0	0.2
70°-80°	1.3	0.1
80°-90°	0.3	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°	947.1	92.4
0°-40°	1012.9	98.8
0°-60°	1021.4	99.6
0°-90°	1025.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2027	
5°	2030	191
15°	1598	439
25°	698	316
35°	84	66
45°	5	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1297307

CATALOG NUMBER: P3A13R45W2N902750DE010 E3D1MW_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2026.6
2.5°	2027.4
5°	2029.7
7.5°	2015.1
10°	1944.8
12.5°	1798.0
15°	1598.5
17.5°	1394.4
20°	1188.7
22.5°	952.5
25°	698.0
27.5°	460.2
30°	277.5
32.5°	155.2
35°	84.1
37.5°	47.4
40°	24.5
42.5°	10.7
45°	4.6
47.5°	3.1
50°	3.1
52.5°	3.1
55°	3.1
57.5°	2.3
60°	2.3
62.5°	2.3
65°	2.3
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)