

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: P1296313

Luminaire Tested: P3A13R30W2N902750DE010 E3CD1MB_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3CD1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

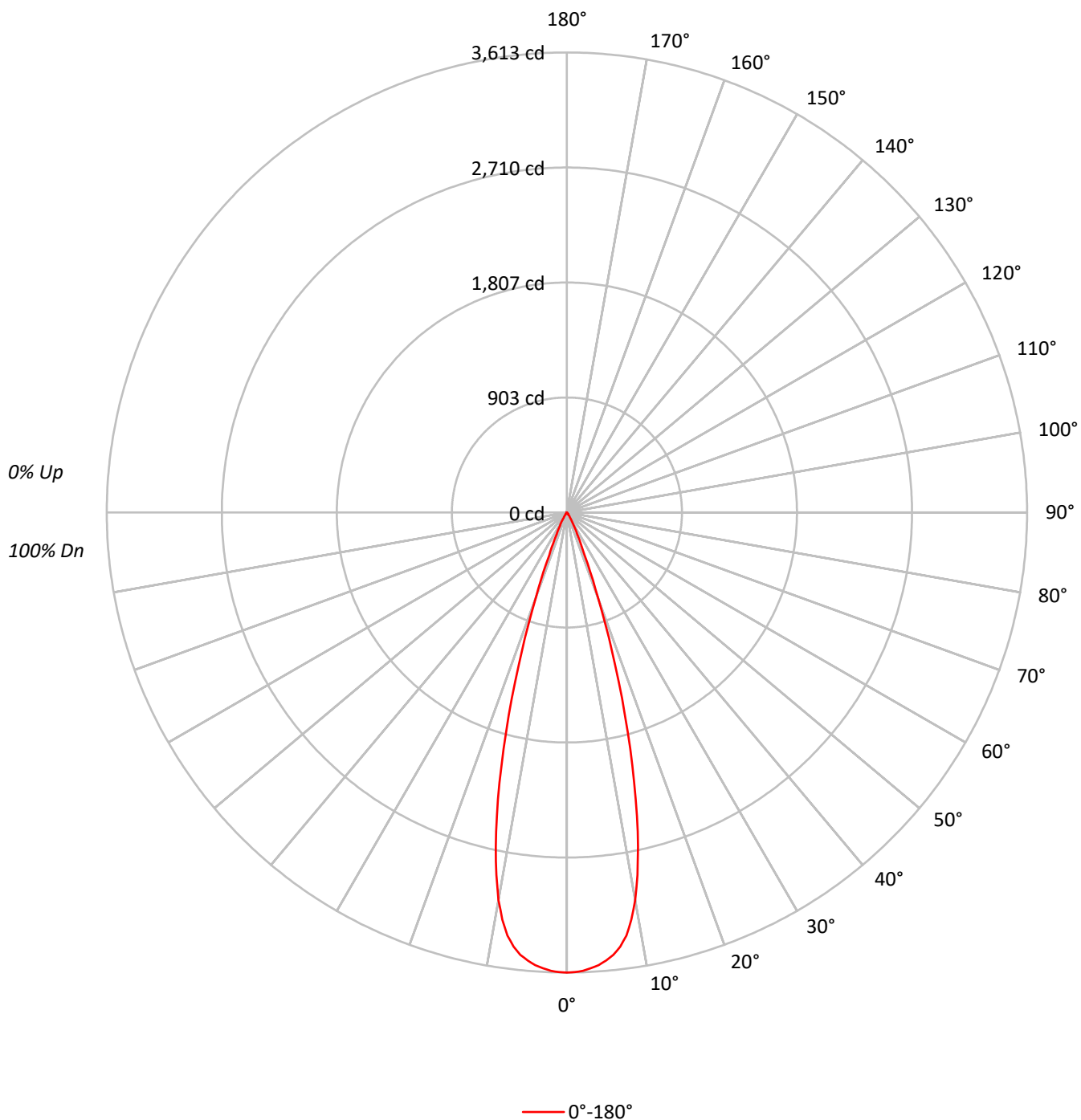
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1296313

CATALOG NUMBER: P3A13R30W2N902750DE010 E3CD1MB_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1296313

CATALOG NUMBER: P3A13R30W2N902750DE010 E3CD1MB_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98	97	96	95	94	93	92	91	90	89
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89	88	87	86	85	84	83	82	81	80
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77	76	75
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81	80	79	78	77	76	75	74	73	72
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	78	77	76	75	74	73	72	71	70
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	76	75	74	73	72	71	70	69	68
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74	73	72	71	70	69	68	67	66	65
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72	71	70	69	68	67	66	65	64	63

AVERAGE LUMINANCE (cd/sqm):

0°	792349
5°	777370
10°	688186
15°	436007
20°	165494
25°	48995
30°	19345
35°	5943
40°	2634
45°	961
50°	785
55°	573
60°	658
65°	778
70°	513
75°	678
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 80°
Luminance: 1010 cd/sqm

TEST NUMBER: P1296313

CATALOG NUMBER: P3A13R30W2N902750DE010 E3CD1MB_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.7	33.4
10°-20°	505.9	52.0
20°-30°	117.5	12.1
30°-40°	18.2	1.9
40°-50°	3.1	0.3
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	0.8	0.1
80°-90°	0.1	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°	948.1	97.4
0°-40°	966.3	99.3
0°-60°	970.9	99.8
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3613	
5°	3532	325
15°	1921	506
25°	202	117
35°	22	18
45°	3	3
55°	2	1
65°	2	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1296313

CATALOG NUMBER: P3A13R30W2N902750DE010 E3CD1MB_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	3613.4
1°	3611.1
2°	3601.2
3°	3584.4
4°	3563.0
5°	3531.6
6°	3492.7
7°	3434.6
8°	3355.1
9°	3238.2
10°	3090.7
11°	2900.4
12°	2685.6
13°	2447.1
14°	2185.0
15°	1920.6
17.5°	1256.4
20°	709.2
22.5°	362.3
25°	202.5
27.5°	124.6
30°	76.4
32.5°	41.3
35°	22.2
37.5°	14.5
40°	9.2
42.5°	5.3
45°	3.1
47.5°	2.3
50°	2.3
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1296313

CATALOG NUMBER: P3A13R30W2N902750DE010 E3CD1MB_3000K

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)