

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: P1297714

Luminaire Tested: P3A13R50W2N902765DE010 E3CD1MB_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902765DE010 E3CD1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

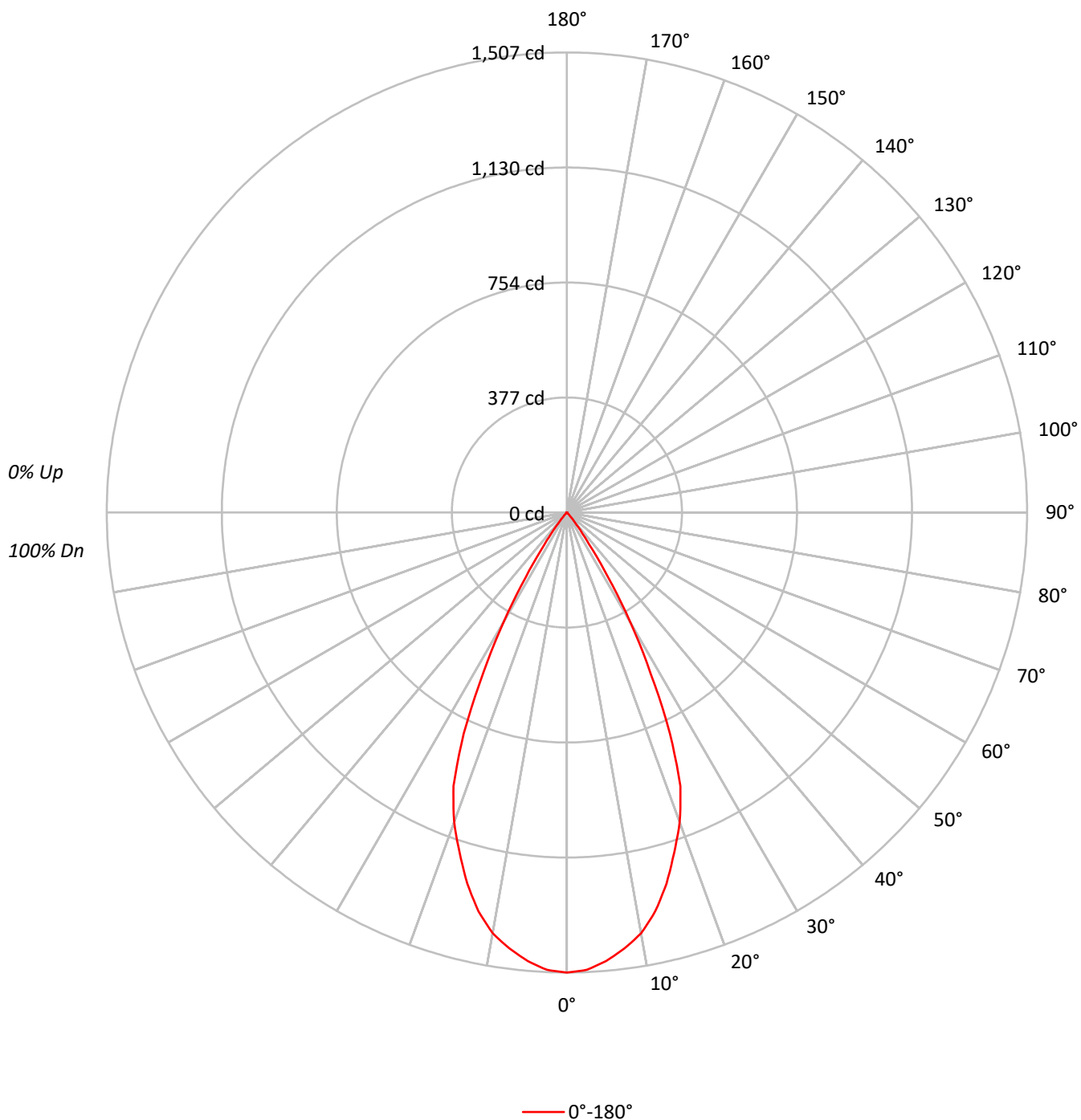
Lumens per Lamp: N/A
Luminaire Lumens: 949.1 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297714

CATALOG NUMBER: P3A13R50W2N902765DE010 E3CD1MB_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1297714

CATALOG NUMBER: P3A13R50W2N902765DE010 E3CD1MB_2700K

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	112	109	107	112	109	107	106	105	104	102		102	101	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	66	63		70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		68	63	61		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330500
5°	324586
10°	311662
15°	285791
20°	252022
25°	193172
30°	105029
35°	33783
40°	7929
45°	1085
50°	955
55°	1070
60°	921
65°	1090
70°	898
75°	1186
80°	884
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 1761 cd/sqm

TEST NUMBER: P1297714

CATALOG NUMBER: P3A13R50W2N902765DE010 E3CD1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	14.6
10°-20°	349.9	36.9
20°-30°	350.5	36.9
30°-40°	98.5	10.4
40°-50°	6.0	0.6
50°-60°	2.3	0.2
60°-70°	1.8	0.2
70°-80°	1.2	0.1
80°-90°	0.5	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°	838.8	88.4
0°-40°	937.3	98.8
0°-60°	945.6	99.6
0°-90°	949.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1507	
5°	1475	138
15°	1259	350
25°	798	350
35°	126	99
45°	4	6
55°	3	2
65°	2	2
75°	1	1
85°	1	0
90°	0	

TEST NUMBER: P1297714

CATALOG NUMBER: P3A13R50W2N902765DE010 E3CD1MB_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1507.2
2.5°	1499.6
5°	1474.6
7.5°	1440.7
10°	1399.7
12.5°	1338.0
15°	1258.9
17.5°	1168.1
20°	1080.0
22.5°	970.4
25°	798.4
27.5°	594.4
30°	414.8
32.5°	250.4
35°	126.2
37.5°	59.7
40°	27.7
42.5°	10.4
45°	3.5
47.5°	2.8
50°	2.8
52.5°	2.8
55°	2.8
57.5°	2.1
60°	2.1
62.5°	2.1
65°	2.1
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)