

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: P1297843

Luminaire Tested: P3A13R50W2N902765DE010 E3DLP1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902765DE010 E3DLP1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

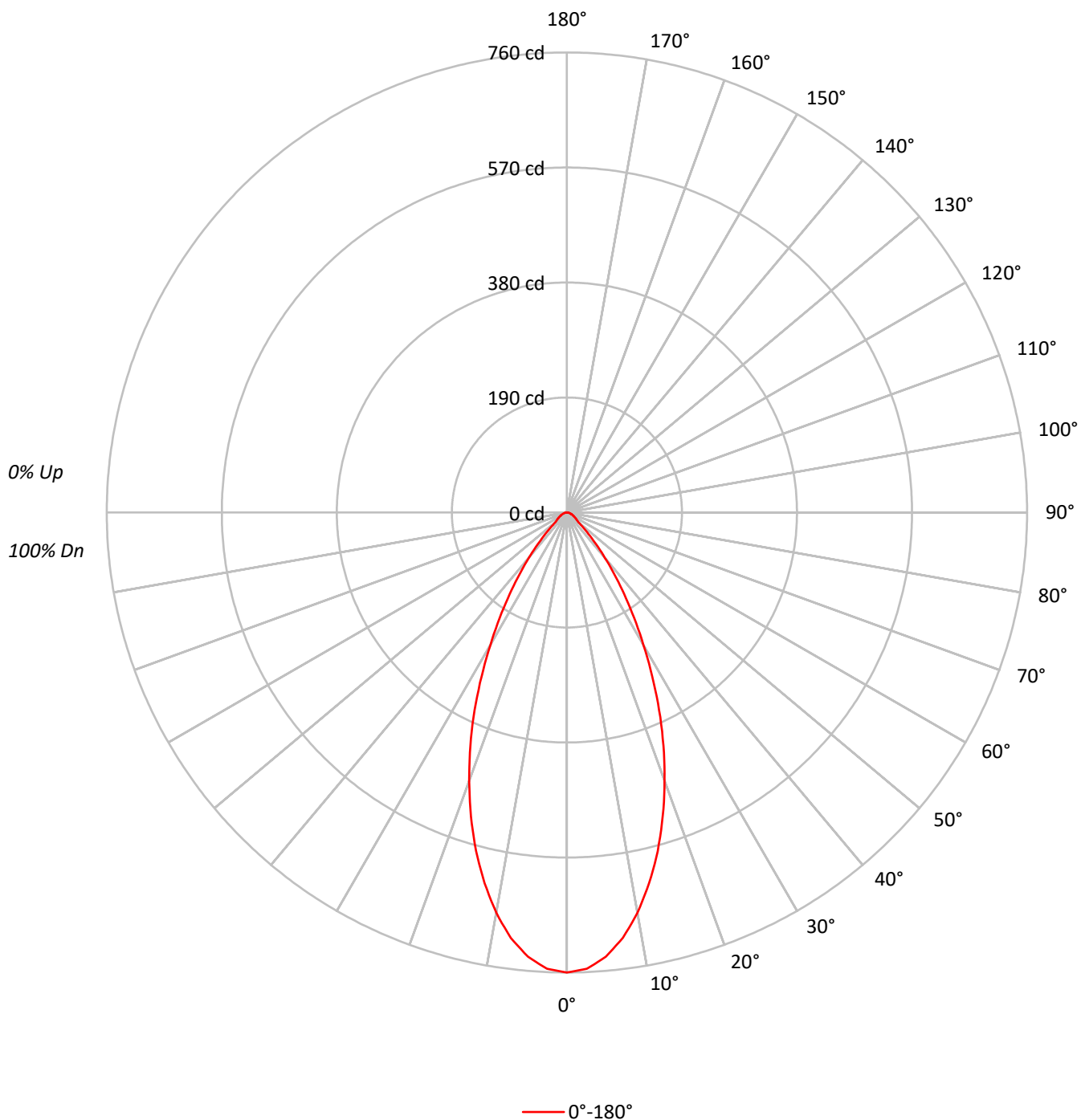
Lumens per Lamp: N/A
Luminaire Lumens: 573.0 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297843

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DLP1H_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297843

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DLP1H_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	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		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79		
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68		
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56		
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166653
5°	162161
10°	149541
15°	131510
20°	110026
25°	87247
30°	64010
35°	44009
40°	27967
45°	15630
50°	8460
55°	7111
60°	6140
65°	5656
70°	5001
75°	4575
80°	3915
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 15630 cd/sqm

TEST NUMBER: P1297843

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DLP1H_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	11.9
10°-20°	160.4	28.0
20°-30°	164.1	28.6
30°-40°	104.1	18.2
40°-50°	41.4	7.2
50°-60°	16.8	2.9
60°-70°	10.8	1.9
70°-80°	5.5	1.0
80°-90°	1.7	0.3
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°	392.8	68.6
0°-40°	496.9	86.7
0°-60°	555.0	96.9
0°-90°	573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	760	
5°	737	68
15°	579	160
25°	361	164
35°	164	104
45°	50	41
55°	19	17
65°	11	11
75°	5	6
85°	2	2
90°	0	

TEST NUMBER: P1297843

CATALOG NUMBER: P3A13R50W2N902765DE010 E3DLP1H_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	760.0
2.5°	754.6
5°	736.7
7.5°	708.8
10°	671.6
12.5°	627.4
15°	579.3
17.5°	526.6
20°	471.5
22.5°	416.5
25°	360.6
27.5°	304.8
30°	252.8
32.5°	206.3
35°	164.4
37.5°	128.7
40°	97.7
42.5°	72.1
45°	50.4
47.5°	34.1
50°	24.8
52.5°	20.9
55°	18.6
57.5°	16.3
60°	14.0
62.5°	12.4
65°	10.9
67.5°	9.3
70°	7.8
72.5°	6.2
75°	5.4
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)