

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: P1297620

Luminaire Tested: P3A13R50W2N902750DE010 E3DL1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R50W2N902750DE010 E3DL1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

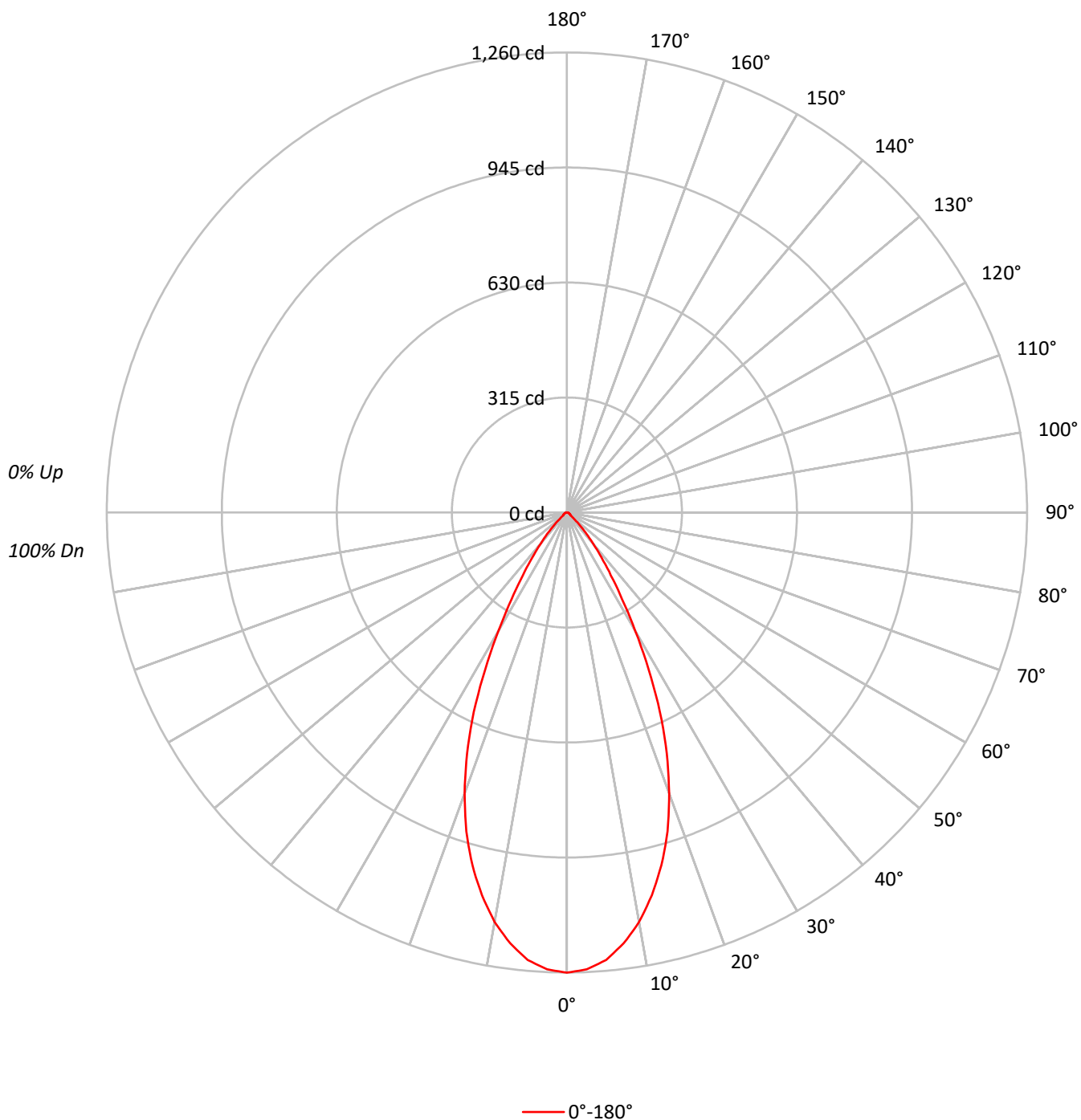
Lumens per Lamp: N/A
Luminaire Lumens: 868.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1297620

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1LI_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1297620

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1LI_5000K

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76		
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72		
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67		
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64		
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60		
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57		
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276359
5°	270790
10°	253636
15°	227061
20°	191070
25°	145823
30°	94774
35°	56189
40°	32461
45°	16281
50°	6072
55°	4702
60°	4386
65°	3995
70°	3975
75°	3897
80°	3915
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16281 cd/sqm

TEST NUMBER: P1297620

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	13.2
10°-20°	276.6	31.9
20°-30°	271.3	31.3
30°-40°	136.7	15.7
40°-50°	43.2	5.0
50°-60°	11.2	1.3
60°-70°	7.9	0.9
70°-80°	4.9	0.6
80°-90°	1.7	0.2
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°	662.4	76.3
0°-40°	799.1	92.1
0°-60°	853.5	98.3
0°-90°	868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1260	
5°	1230	114
15°	1000	277
25°	603	271
35°	210	137
45°	52	43
55°	12	11
65°	8	8
75°	5	5
85°	2	2
90°	0	



TEST NUMBER: P1297620

CATALOG NUMBER: P3A13R50W2N902750DE010 E3DL1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1260.3
2.5°	1252.6
5°	1230.2
7.5°	1190.1
10°	1139.1
12.5°	1073.5
15°	1000.2
17.5°	915.3
20°	818.8
22.5°	714.6
25°	602.7
27.5°	483.9
30°	374.3
32.5°	281.7
35°	209.9
37.5°	155.1
40°	113.4
42.5°	80.3
45°	52.5
47.5°	30.1
50°	17.8
52.5°	13.1
55°	12.3
57.5°	10.8
60°	10.0
62.5°	9.3
65°	7.7
67.5°	6.9
70°	6.2
72.5°	5.4
75°	4.6
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)