

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: P1296455

Luminaire Tested: P3A13R30W2N902750DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

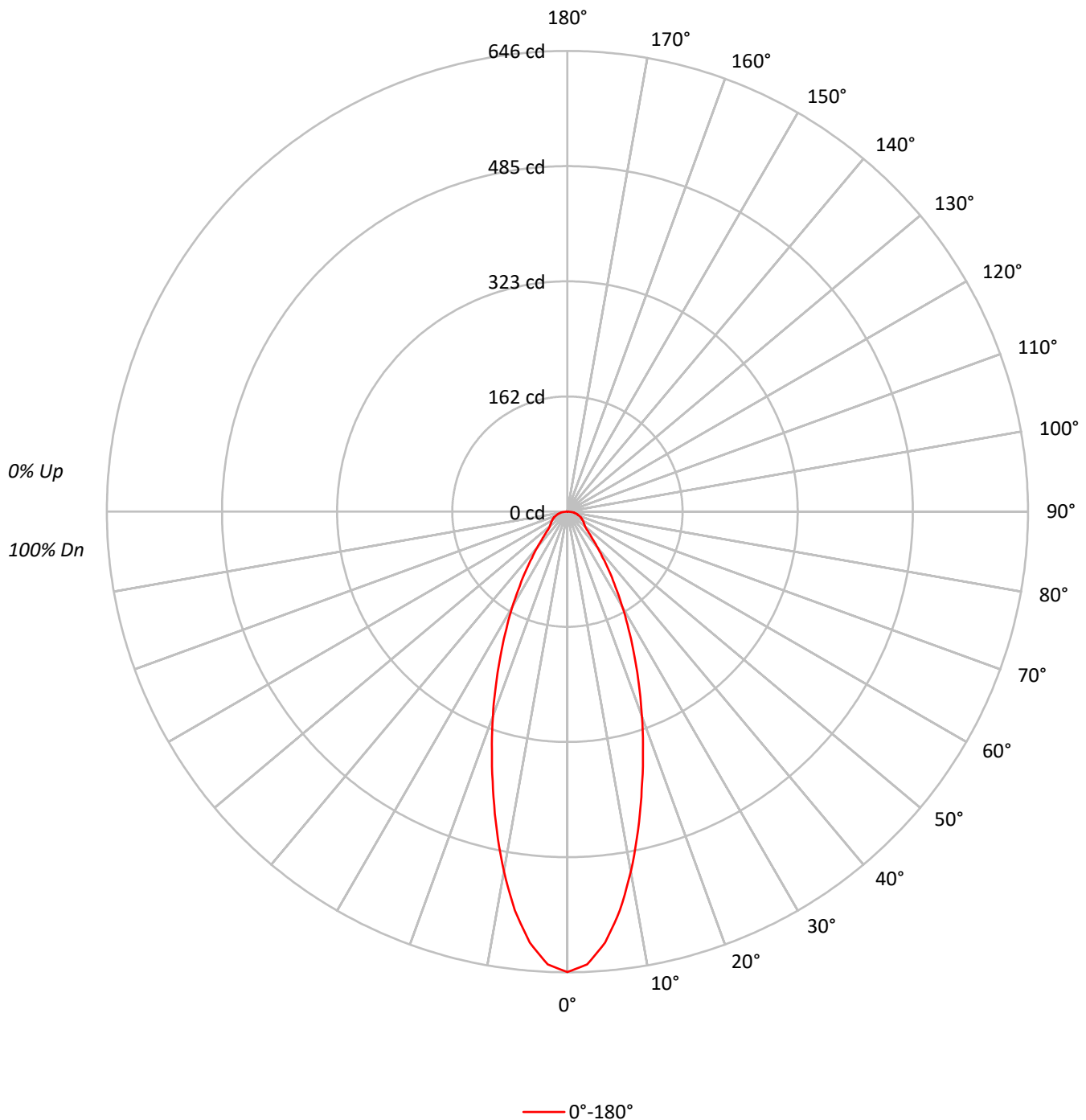
Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1296455

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLP1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1296455

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLP1MW_4000K

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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92		90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83		81
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76		74
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77	73	70		68
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	65		63
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68	64	60		59
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		64	60	56		55
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61	56	53		51
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58	53	50		49
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		55	51	47		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141568
5°	133480
10°	114093
15°	91442
20°	71266
25°	53592
30°	39095
35°	27546
40°	18893
45°	13521
50°	11053
55°	10705
60°	10789
65°	11052
70°	11476
75°	12285
80°	12754
85°	14089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 15120 cd/sqm

TEST NUMBER: P1296455

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLP1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	12.6
10°-20°	111.9	25.7
20°-30°	102.0	23.4
30°-40°	64.9	14.9
40°-50°	34.7	8.0
50°-60°	25.4	5.8
60°-70°	21.3	4.9
70°-80°	14.9	3.4
80°-90°	5.9	1.4
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°	268.8	61.6
0°-40°	333.7	76.5
0°-60°	393.8	90.3
0°-90°	436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	646	
5°	606	55
15°	403	112
25°	222	102
35°	103	65
45°	44	35
55°	28	25
65°	21	21
75°	14	15
85°	6	6
90°	0	

TEST NUMBER: P1296455

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLP1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	645.6
2.5°	635.5
5°	606.4
7.5°	563.9
10°	512.4
12.5°	457.6
15°	402.8
17.5°	352.4
20°	305.4
22.5°	261.8
25°	221.5
27.5°	185.7
30°	154.4
32.5°	125.3
35°	102.9
37.5°	81.7
40°	66.0
42.5°	52.6
45°	43.6
47.5°	35.8
50°	32.4
52.5°	30.2
55°	28.0
57.5°	26.9
60°	24.6
62.5°	23.5
65°	21.3
67.5°	20.1
70°	17.9
72.5°	15.7
75°	14.5
77.5°	12.3
80°	10.1
82.5°	9.0
85°	5.6
87.5°	2.2
90°	0.0

(END OF REPORT)