

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: P1296294

Luminaire Tested: P3A13R25W2N902765DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902765DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

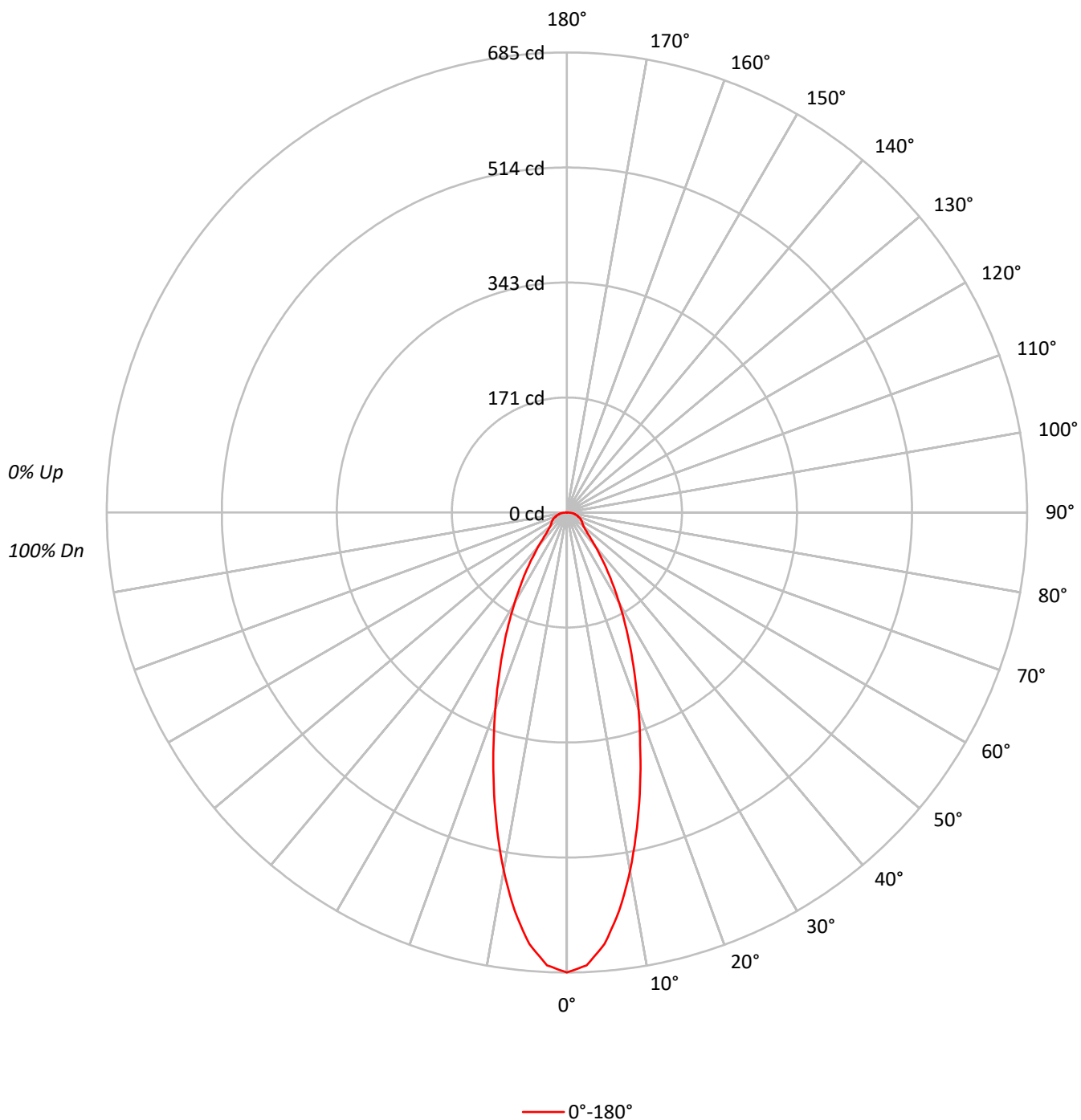
Lumens per Lamp: N/A
Luminaire Lumens: 447.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.65
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1296294

CATALOG NUMBER: P3A13R25W2N902765DE010 E3PHLP1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1296294

CATALOG NUMBER: P3A13R25W2N902765DE010 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	95		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	97	90	84	80	87	82	78		84	80	77		82	79	76		74
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70		68
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65		63
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68	64	61		59
7	79	69	63	58	78	68	62	58	67	61	57		66	61	57		65	60	57		55
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61	57	53		52
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58	54	50		49
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		56	51	48		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150185
5°	141888
10°	120617
15°	95528
20°	72596
25°	54148
30°	39398
35°	27867
40°	18893
45°	13180
50°	11087
55°	10705
60°	11271
65°	11623
70°	11476
75°	12285
80°	14143
85°	14089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 15120 cd/sqm

TEST NUMBER: P1296294

CATALOG NUMBER: P3A13R25W2N902765DE010 E3PHLP1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	13.0
10°-20°	116.5	26.1
20°-30°	103.1	23.1
30°-40°	65.7	14.7
40°-50°	34.7	7.8
50°-60°	25.6	5.7
60°-70°	21.7	4.9
70°-80°	15.3	3.4
80°-90°	6.1	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°	277.8	62.1
0°-40°	343.5	76.8
0°-60°	403.8	90.3
0°-90°	447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	447.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	685	
5°	645	58
15°	421	116
25°	224	103
35°	104	66
45°	42	35
55°	28	26
65°	22	22
75°	14	15
85°	6	6
90°	0	

TEST NUMBER: P1296294

CATALOG NUMBER: P3A13R25W2N902765DE010 E3PHLP1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	684.9
2.5°	674.9
5°	644.6
7.5°	597.6
10°	541.7
12.5°	481.2
15°	420.8
17.5°	362.6
20°	311.1
22.5°	264.1
25°	223.8
27.5°	188.0
30°	155.6
32.5°	127.6
35°	104.1
37.5°	82.8
40°	66.0
42.5°	52.6
45°	42.5
47.5°	36.9
50°	32.5
52.5°	30.2
55°	28.0
57.5°	26.9
60°	25.7
62.5°	23.5
65°	22.4
67.5°	20.1
70°	17.9
72.5°	16.8
75°	14.5
77.5°	12.3
80°	11.2
82.5°	9.0
85°	5.6
87.5°	2.2
90°	0.0

(END OF REPORT)