

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: P1296449

Luminaire Tested: P3A13R30W2N902750DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902750DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

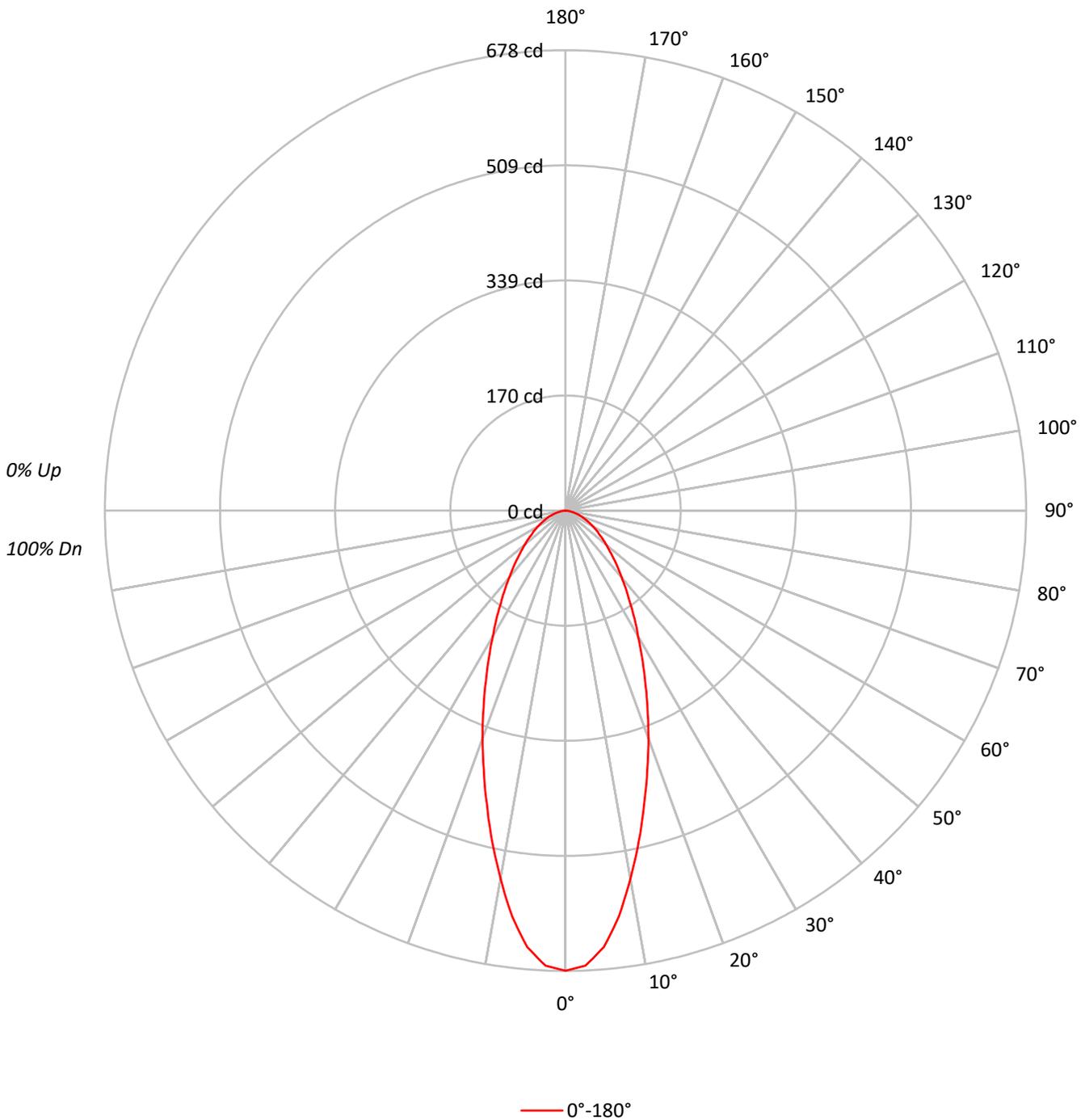
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 603.1 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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: P1296449
CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLD1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1296449

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLD1MW_3500K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148585
5°	142020
10°	122487
15°	101544
20°	83237
25°	67093
30°	54084
35°	44303
40°	36812
45°	31197
50°	26711
55°	23091
60°	20612
65°	18005
70°	15772
75°	13302
80°	9850
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31197 cd/sqm



TEST NUMBER: P1296449

CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	9.7
10°-20°	124.7	20.7
20°-30°	127.8	21.2
30°-40°	104.5	17.3
40°-50°	78.2	13.0
50°-60°	54.9	9.1
60°-70°	34.6	5.7
70°-80°	16.6	2.8
80°-90°	3.2	0.5
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°	311.1	51.6
0°-40°	415.6	68.9
0°-60°	548.6	91.0
0°-90°	603.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	678	
5°	645	58
15°	447	125
25°	277	128
35°	166	105
45°	101	78
55°	60	55
65°	35	35
75°	16	17
85°	2	3
90°	0	



TEST NUMBER: P1296449
CATALOG NUMBER: P3A13R30W2N902750DE010 E3PHLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	677.6
2.5°	670.9
5°	645.2
7.5°	602.7
10°	550.1
12.5°	498.7
15°	447.3
17.5°	400.3
20°	356.7
22.5°	315.3
25°	277.3
27.5°	243.8
30°	213.6
32.5°	189.0
35°	165.5
37.5°	146.5
40°	128.6
42.5°	114.1
45°	100.6
47.5°	88.3
50°	78.3
52.5°	69.3
55°	60.4
57.5°	53.7
60°	47.0
62.5°	40.3
65°	34.7
67.5°	29.1
70°	24.6
72.5°	20.1
75°	15.7
77.5°	11.2
80°	7.8
82.5°	4.5
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)