

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: P1295784

Luminaire Tested: P3AS13R20W2N902750DE010 E3PHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R20W2N902750DE010 E3PHLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

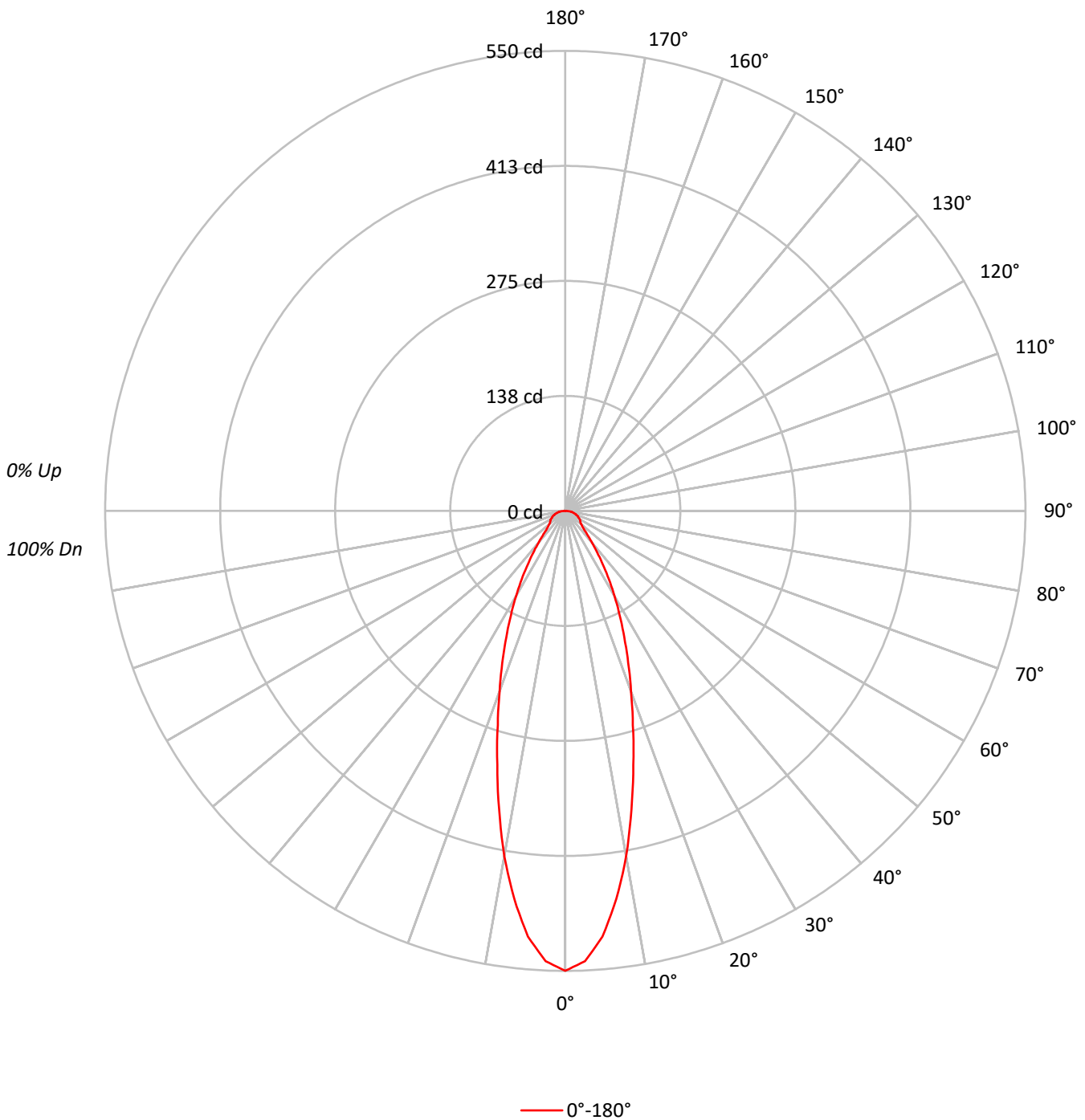
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 339.1 lumens
Efficiency: N/A
Efficacy: 27.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
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

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Luminous Intensity Polar Plot





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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	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	65	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	62	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	52	48	56	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120561
5°	112436
10°	93318
15°	71351
20°	53555
25°	40309
30°	29802
35°	20826
40°	14284
45°	9892
50°	8494
55°	8411
60°	8771
65°	8821
70°	8976
75°	9320
80°	10102
85°	10064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 11760 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	13.5
10°-20°	87.4	25.8
20°-30°	76.9	22.7
30°-40°	49.6	14.6
40°-50°	26.3	7.8
50°-60°	19.8	5.8
60°-70°	16.8	5.0
70°-80°	11.9	3.5
80°-90°	4.6	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°	210.0	61.9
0°-40°	259.7	76.6
0°-60°	305.7	90.2
0°-90°	339.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	550	
5°	511	46
15°	314	87
25°	167	77
35°	78	50
45°	32	26
55°	22	20
65°	17	17
75°	11	12
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	549.8
2.5°	538.8
5°	510.8
7.5°	467.9
10°	419.1
12.5°	365.2
15°	314.3
17.5°	268.4
20°	229.5
22.5°	196.6
25°	166.6
27.5°	140.7
30°	117.7
32.5°	96.8
35°	77.8
37.5°	62.9
40°	49.9
42.5°	39.9
45°	31.9
47.5°	27.9
50°	24.9
52.5°	22.9
55°	22.0
57.5°	21.0
60°	20.0
62.5°	18.0
65°	17.0
67.5°	16.0
70°	14.0
72.5°	13.0
75°	11.0
77.5°	10.0
80°	8.0
82.5°	7.0
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)