

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: P1288190

Luminaire Tested: P3A05R20W2N902750DE010 E3PHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902750DE010 E3PHLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

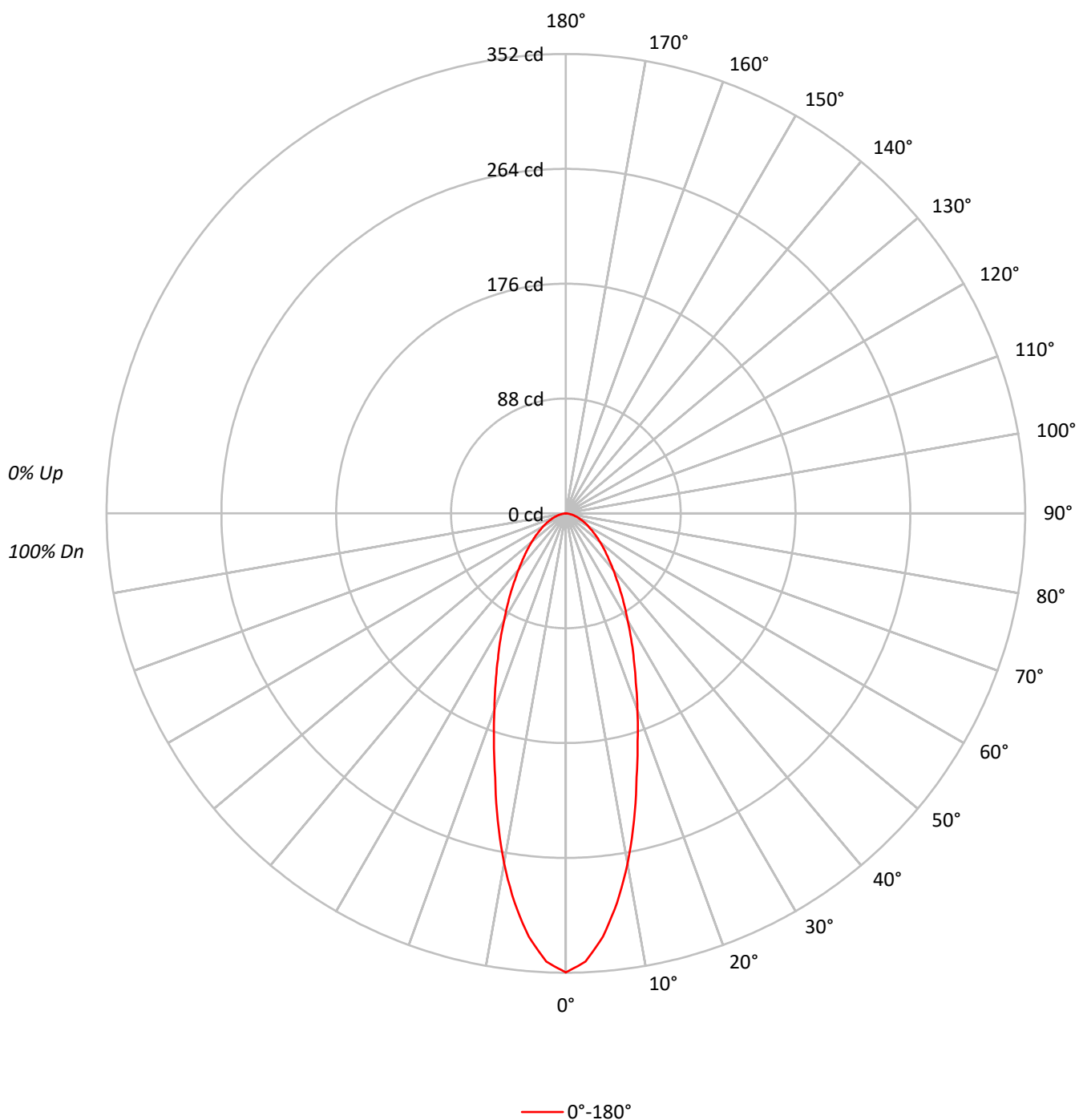
Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				0				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	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80											
3	98	90	83	78	96	88	82	78	85	81	77	83	79	75	81	77	74	72											
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66											
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60											
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55											
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51											
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47											
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44											
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77143
5°	71671
10°	60676
15°	47492
20°	37383
25°	29808
30°	23953
35°	19542
40°	16145
45°	13614
50°	11667
55°	10016
60°	8771
65°	7679
70°	6604
75°	5761
80°	4293
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	10.8
10°-20°	58.6	21.5
20°-30°	56.9	20.9
30°-40°	46.0	16.9
40°-50°	34.2	12.6
50°-60°	23.7	8.7
60°-70°	14.9	5.5
70°-80°	7.2	2.6
80°-90°	1.2	0.4
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°	144.8	53.3
0°-40°	190.8	70.2
0°-60°	248.7	91.4
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	326	29
15°	209	59
25°	123	57
35°	73	46
45°	44	34
55°	26	24
65°	15	15
75°	7	7
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	351.8
2.5°	343.8
5°	325.6
7.5°	301.0
10°	272.5
12.5°	241.2
15°	209.2
17.5°	183.0
20°	160.2
22.5°	140.3
25°	123.2
27.5°	108.3
30°	94.6
32.5°	83.2
35°	73.0
37.5°	63.9
40°	56.4
42.5°	49.6
45°	43.9
47.5°	38.8
50°	34.2
52.5°	30.2
55°	26.2
57.5°	22.8
60°	20.0
62.5°	17.7
65°	14.8
67.5°	12.5
70°	10.3
72.5°	8.6
75°	6.8
77.5°	5.1
80°	3.4
82.5°	1.7
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)