

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: P1288303

Luminaire Tested: P3A05R20W2N902765DE010 E3DLD1H_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902765DE010 E3DLD1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

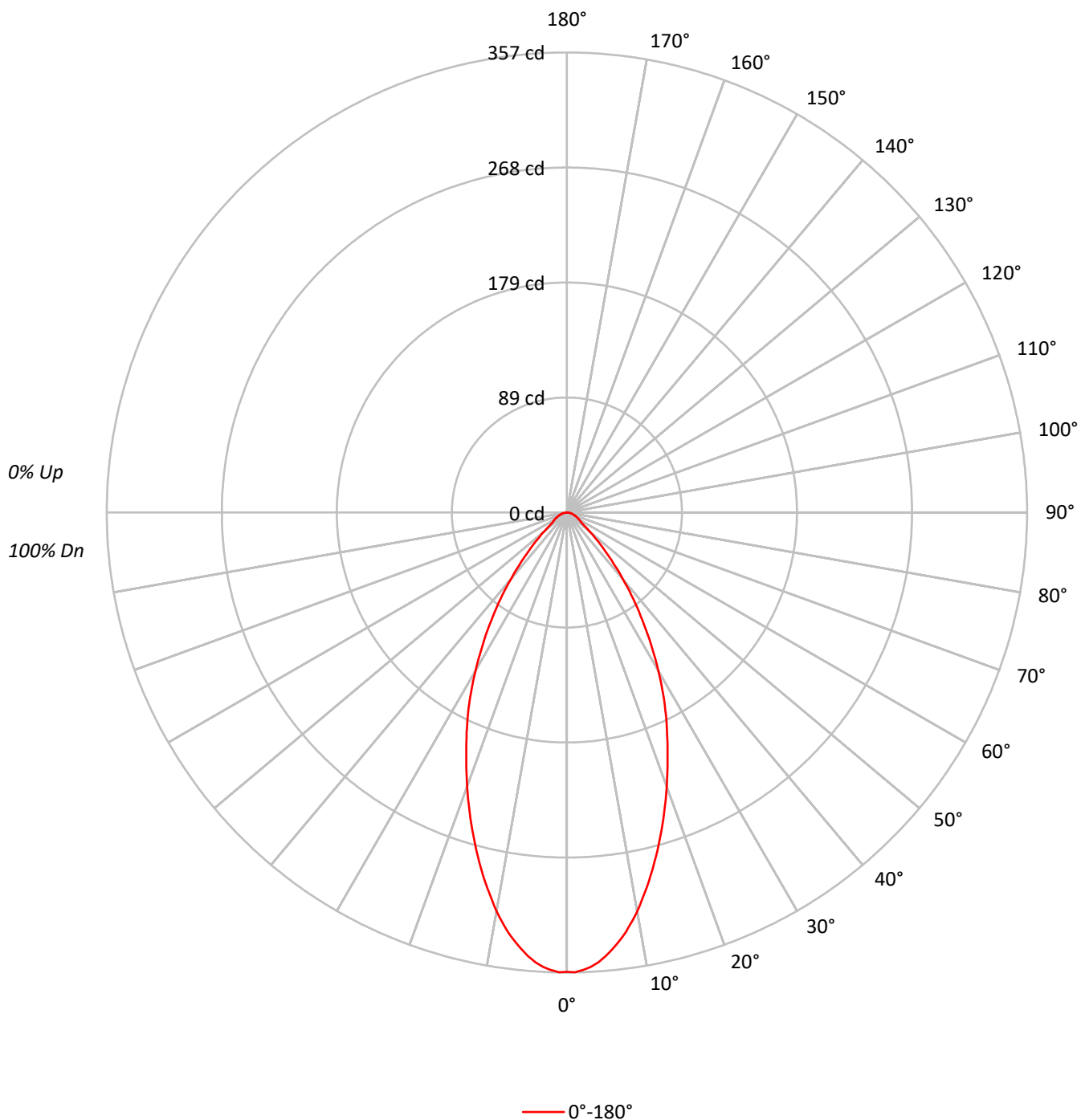
Lumens per Lamp: N/A
Luminaire Lumens: 315.9 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		90	87	85	83
3	100	93	87	82	98	91	86	82	88	84	80		86	82	79		84	81	78	76
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78	75	72	70
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73	69	66	65
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69	65	61	60
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65	60	57	55
8	75	65	59	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	72	61	55	50	70	61	55	50	60	54	50		59	54	50		58	53	50	48
10	68	58	51	47	67	57	51	47	56	51	47		56	51	47		55	50	47	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78174
5°	76073
10°	69983
15°	61612
20°	52831
25°	44374
30°	35879
35°	27305
40°	19408
45°	12808
50°	7949
55°	5199
60°	4736
65°	4358
70°	4103
75°	3728
80°	3536
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	10.1
10°-20°	75.5	23.9
20°-30°	83.8	26.5
30°-40°	64.0	20.2
40°-50°	32.7	10.4
50°-60°	13.4	4.3
60°-70°	8.4	2.6
70°-80°	4.7	1.5
80°-90°	1.4	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°	191.4	60.6
0°-40°	255.3	80.8
0°-60°	301.5	95.4
0°-90°	315.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	356	
5°	346	32
15°	271	76
25°	183	84
35°	102	64
45°	41	33
55°	14	13
65°	8	8
75°	4	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	356.5
1°	356.9
2°	355.2
3°	353.2
4°	350.0
5°	345.6
6°	340.4
7°	334.8
8°	328.8
9°	321.5
10°	314.3
12.5°	293.4
15°	271.4
17.5°	248.9
20°	226.4
22.5°	203.9
25°	183.4
27.5°	163.0
30°	141.7
32.5°	121.6
35°	102.0
37.5°	84.7
40°	67.8
42.5°	53.4
45°	41.3
47.5°	31.3
50°	23.3
52.5°	17.3
55°	13.6
57.5°	12.4
60°	10.8
62.5°	9.6
65°	8.4
67.5°	7.2
70°	6.4
72.5°	5.2
75°	4.4
77.5°	3.6
80°	2.8
82.5°	2.0
85°	1.2
87.5°	0.4
90°	0.0

(END OF REPORT)