

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: P1288239

Luminaire Tested: P3A05R20W2N902765DE010 E3D1H_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R20W2N902765DE010 E3D1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

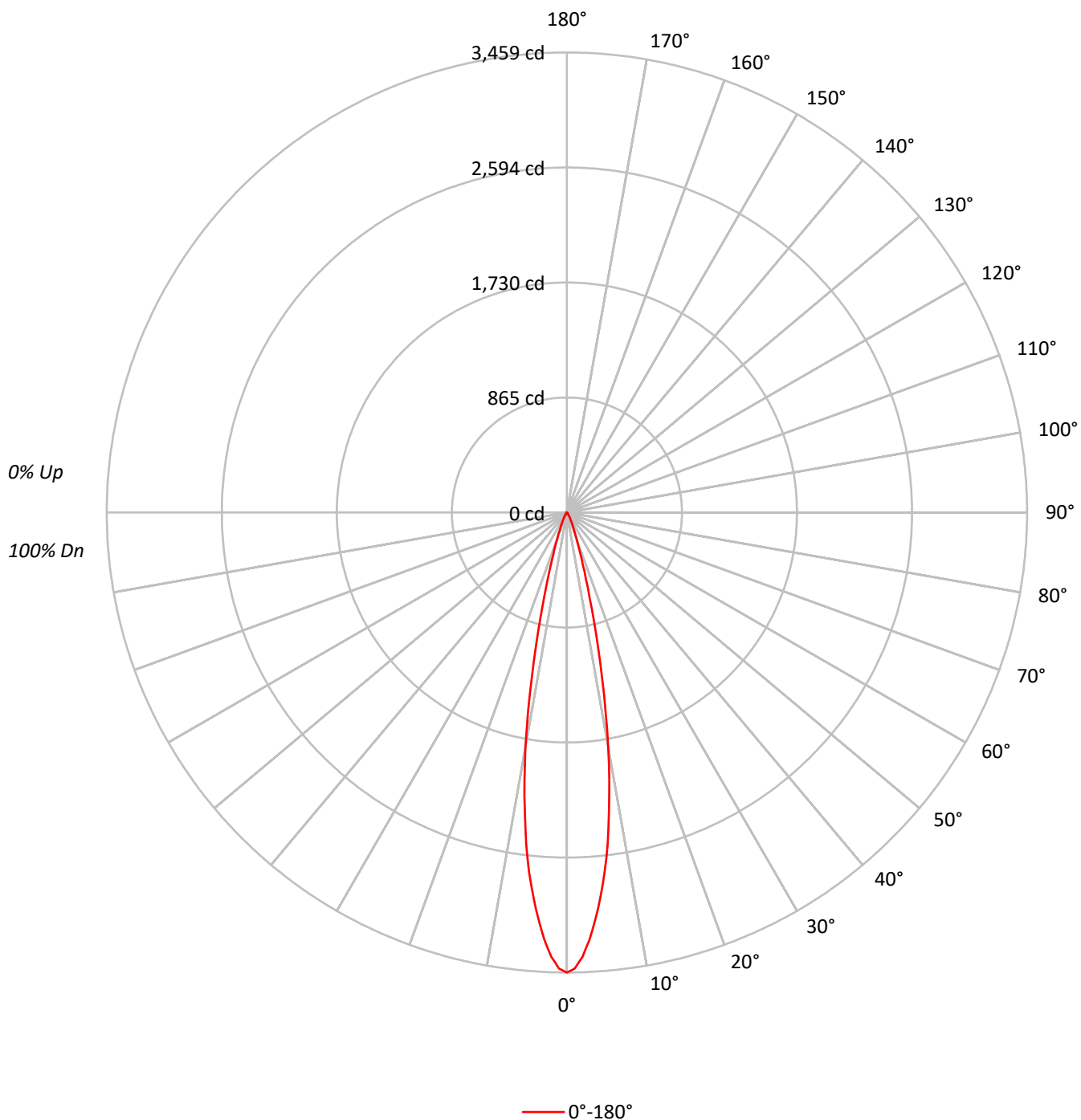
Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95		
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93		
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91		
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89		
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87		
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85		
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83		
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81		
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	758470
5°	638585
10°	398857
15°	149127
20°	51174
25°	21340
30°	10052
35°	4497
40°	2118
45°	1085
50°	409
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	48.2
10°-20°	198.7	39.7
20°-30°	45.2	9.0
30°-40°	11.5	2.3
40°-50°	2.9	0.6
50°-60°	0.4	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	485.1	97.0
0°-40°	496.6	99.3
0°-60°	499.9	100.0
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3459	
5°	2901	241
15°	657	199
25°	88	45
35°	17	11
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3458.9
1°	3429.5
2°	3343.1
3°	3219.2
4°	3067.1
5°	2901.1
6°	2716.2
7°	2512.1
8°	2274.0
9°	2038.0
10°	1791.3
11°	1528.8
12°	1266.6
13°	1044.5
14°	832.2
15°	656.9
16°	518.4
17°	409.0
18°	328.6
19°	267.2
20°	219.3
21°	183.4
22°	153.1
23°	127.3
24°	106.2
25°	88.2
27.5°	57.7
30°	39.7
32.5°	24.4
35°	16.8
37.5°	10.8
40°	7.4
42.5°	5.1
45°	3.5
47.5°	2.3
50°	1.2
52.5°	0.6
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)