

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: P1288121

Luminaire Tested: P3A05R20W2N902750DE010 E3D1WMH_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288121
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: P3A05R20W2N902750DE010 E3D1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

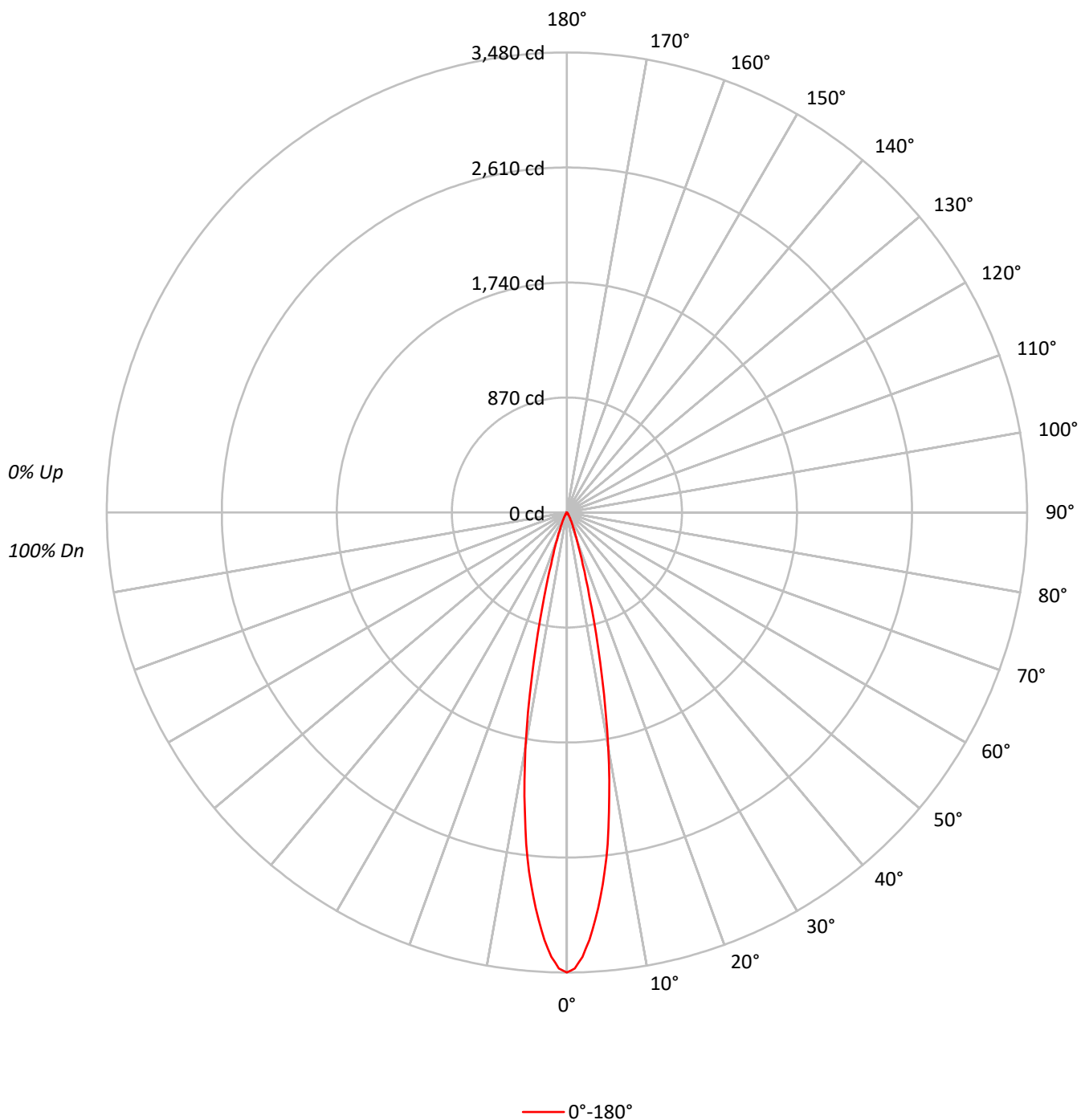
Lumens per Lamp: N/A
Luminaire Lumens: 503.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	763009
5°	642415
10°	401240
15°	150012
20°	51501
25°	21461
30°	10103
35°	4524
40°	2147
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°	242.7	48.3
10°-20°	199.9	39.7
20°-30°	45.4	9.0
30°-40°	11.6	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°	488.0	97.0
0°-40°	499.6	99.3
0°-60°	502.9	100.0
0°-90°	503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3480	
5°	2918	243
15°	661	200
25°	89	45
35°	17	12
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°	3479.6
1°	3450.1
2°	3363.2
3°	3238.5
4°	3085.5
5°	2918.5
6°	2732.5
7°	2527.2
8°	2287.6
9°	2050.2
10°	1802.0
11°	1537.9
12°	1274.2
13°	1050.8
14°	837.2
15°	660.8
16°	521.6
17°	411.4
18°	330.6
19°	268.8
20°	220.7
21°	184.5
22°	154.0
23°	128.0
24°	106.8
25°	88.7
27.5°	58.0
30°	39.9
32.5°	24.6
35°	16.9
37.5°	10.8
40°	7.5
42.5°	5.1
45°	3.5
47.5°	2.4
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)