

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: P1291099

Luminaire Tested: P3A05R65W2N902765DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R65W2N902765DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

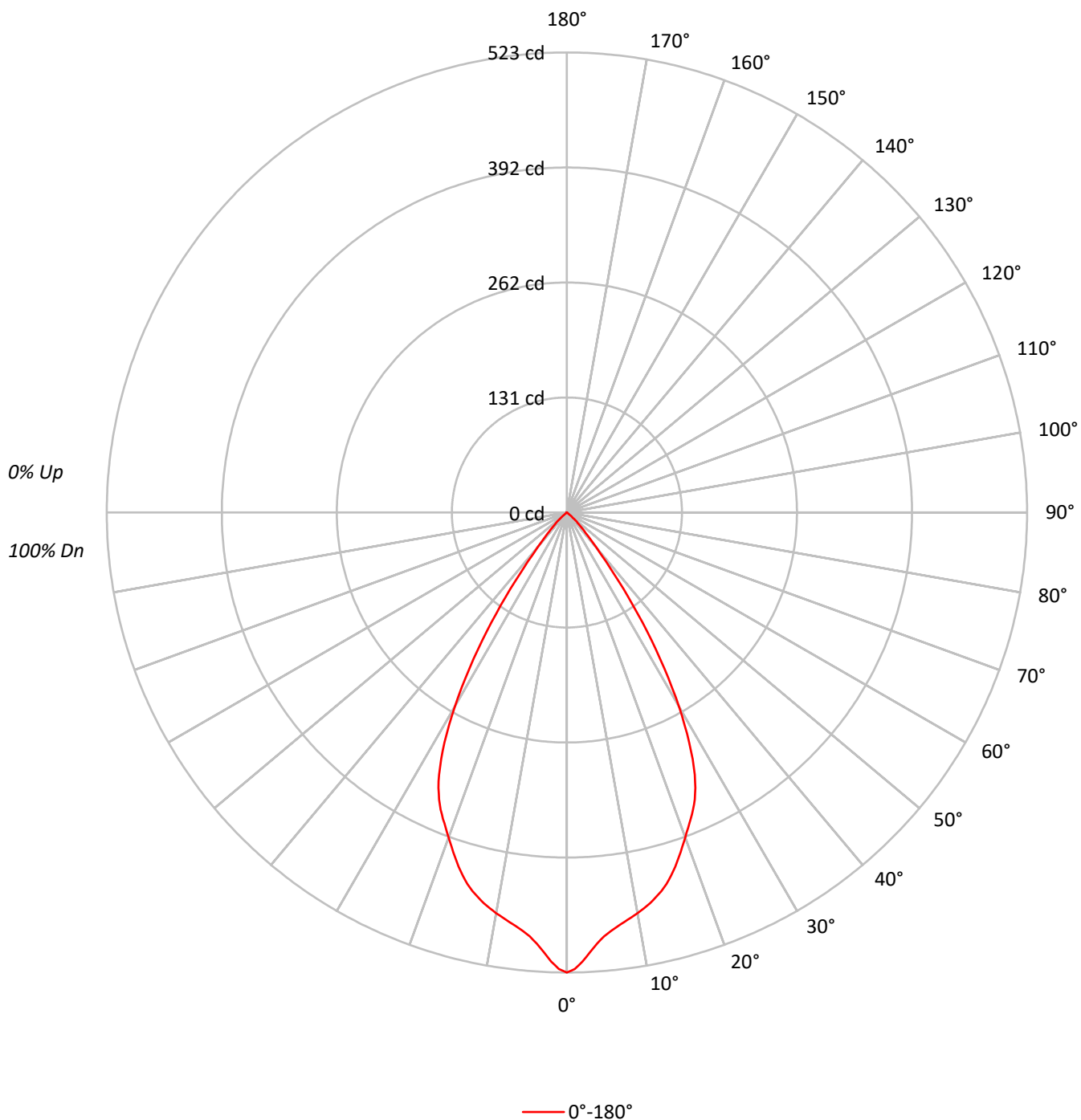
Lumens per Lamp: N/A
Luminaire Lumens: 428.1 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89		88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83		82
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84	81	78		77
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73		72
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68		67
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71	67	64		63
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67	63	60		59
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64	60	57		56
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61	57	54		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114684
5°	106493
10°	102982
15°	99251
20°	91755
25°	83594
30°	64592
35°	37450
40°	14856
45°	6326
50°	1501
55°	191
60°	175
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	10.7
10°-20°	121.8	28.5
20°-30°	154.2	36.0
30°-40°	87.8	20.5
40°-50°	17.4	4.1
50°-60°	0.9	0.2
60°-70°	0.3	0.1
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°	321.6	75.1
0°-40°	409.4	95.6
0°-60°	427.8	99.9
0°-90°	428.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	523	
5°	484	46
15°	437	122
25°	346	154
35°	140	88
45°	20	17
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	523.0
1°	519.1
2°	510.7
3°	500.8
4°	491.2
5°	483.8
6°	478.3
7°	473.9
8°	470.1
9°	466.2
10°	462.5
11°	458.4
12°	454.2
13°	449.1
14°	443.7
15°	437.2
16°	429.4
17°	421.0
18°	411.8
19°	402.2
20°	393.2
21°	384.0
22°	375.8
23°	367.1
24°	357.1
25°	345.5
26°	331.6
27°	314.9
28°	296.1
29°	276.0
30°	255.1
31°	232.0
32°	209.2
32.5°	197.4
33°	185.9
34°	162.7
35°	139.9
36°	118.7
37°	97.8
37.5°	87.1
38°	78.5
39°	63.5
40°	51.9
42.5°	32.0
45°	20.4



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CANDELA DISTRIBUTION (continued):

	0°
47.5°	12.0
50°	4.4
52.5°	0.9
55°	0.5
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.0
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)