

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: P1291110

Luminaire Tested: P3A05R65W2N902765DE010 E3D1LI_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291110
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 E3D1LI_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 6500K CCT AND, 90CRI ,
E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

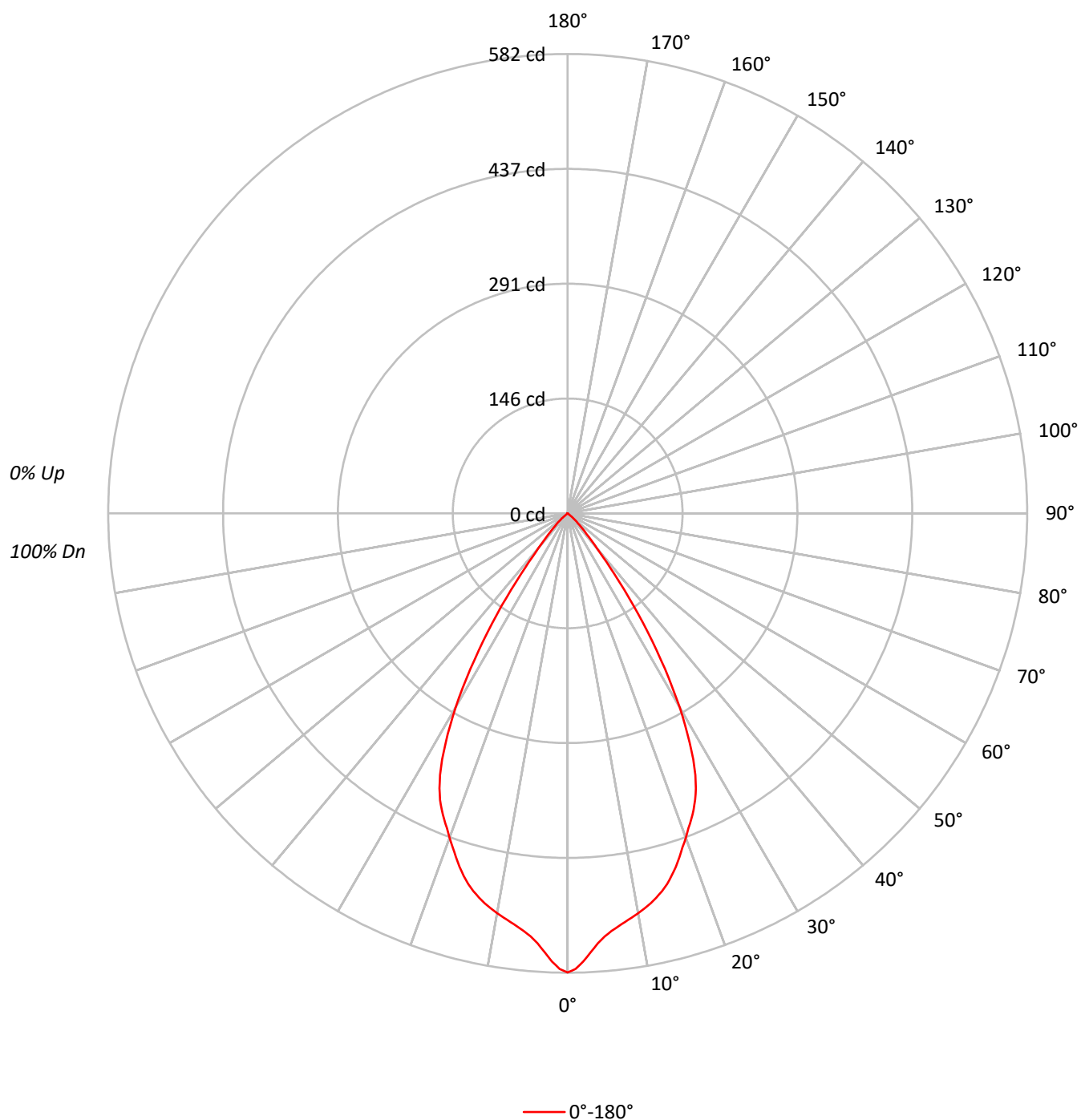
Lumens per Lamp: N/A
Luminaire Lumens: 476.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1291110

CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1LI_6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1291110

CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1LI_6500K

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	88	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°	127556
5°	118424
10°	114538
15°	110375
20°	102046
25°	92981
30°	71834
35°	41626
40°	16517
45°	7039
50°	1672
55°	229
60°	175
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7039 cd/sqm

TEST NUMBER: P1291110

CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1LI_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	10.7
10°-20°	135.5	28.5
20°-30°	171.5	36.0
30°-40°	97.6	20.5
40°-50°	19.4	4.1
50°-60°	1.0	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°	357.7	75.1
0°-40°	455.3	95.6
0°-60°	475.7	99.9
0°-90°	476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	538	51
15°	486	135
25°	384	171
35°	156	98
45°	23	19
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1291110

CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1LI_6500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	581.7
1°	577.4
2°	568.0
3°	557.0
4°	546.2
5°	538.0
6°	532.0
7°	527.1
8°	522.8
9°	518.5
10°	514.4
11°	509.9
12°	505.2
13°	499.5
14°	493.4
15°	486.2
16°	477.6
17°	468.2
18°	458.0
19°	447.3
20°	437.3
21°	427.1
22°	417.9
23°	408.3
24°	397.2
25°	384.3
26°	368.8
27°	350.2
28°	329.3
29°	307.0
30°	283.7
31°	258.1
32°	232.6
32.5°	219.5
33°	206.8
34°	181.0
35°	155.5
36°	132.1
37°	108.8
37.5°	96.8
38°	87.3
39°	70.6
40°	57.7
42.5°	35.6
45°	22.7



TEST NUMBER: P1291110

CATALOG NUMBER: P3A05R65W2N902765DE010 E3D1LI_6500K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	13.3
50°	4.9
52.5°	1.0
55°	0.6
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)