

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: P1289862

Luminaire Tested: P3A05R45W2N902765DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3DL1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

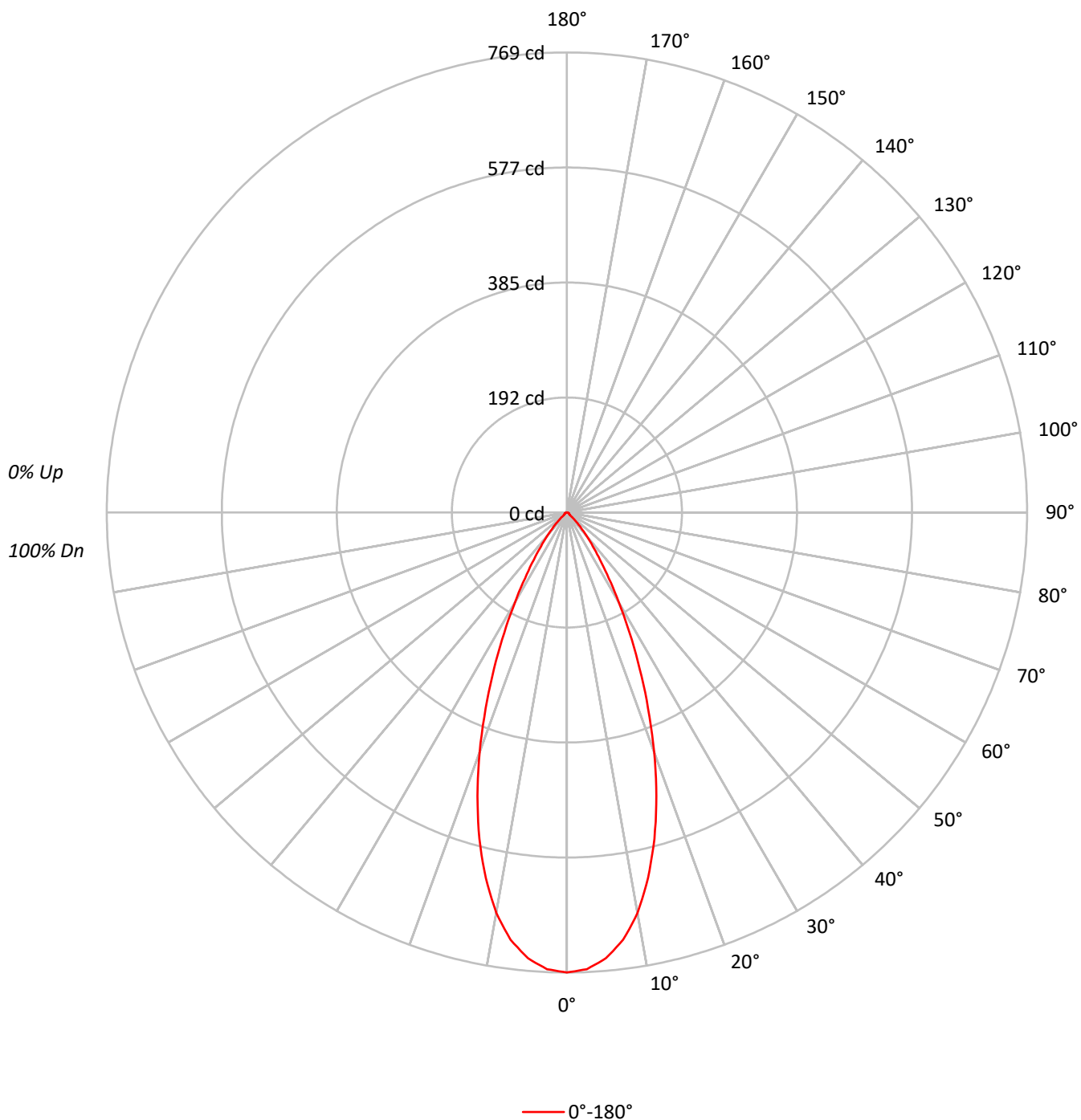
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289862

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DL1H_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1289862

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DL1H_4000K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88		
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83		
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78		
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70		
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66		
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62		
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168605
5°	164670
10°	151367
15°	128264
20°	99502
25°	69560
30°	43830
35°	25806
40°	14599
45°	7102
50°	2456
55°	1988
60°	1930
65°	1868
70°	1795
75°	1694
80°	1515
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7102 cd/sqm

TEST NUMBER: P1289862

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DL1H_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	15.4
10°-20°	155.1	34.6
20°-30°	131.7	29.3
30°-40°	62.9	14.0
40°-50°	18.9	4.2
50°-60°	4.8	1.1
60°-70°	3.6	0.8
70°-80°	2.1	0.5
80°-90°	0.6	0.1
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°	356.1	79.3
0°-40°	419.0	93.3
0°-60°	442.7	98.6
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	769	
5°	748	69
15°	565	155
25°	288	132
35°	96	63
45°	23	19
55°	5	5
65°	4	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P1289862

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DL1H_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	768.9
2.5°	764.1
5°	748.1
7.5°	720.4
10°	679.8
12.5°	626.0
15°	565.0
17.5°	497.1
20°	426.4
22.5°	354.6
25°	287.5
27.5°	226.5
30°	173.1
32.5°	130.1
35°	96.4
37.5°	71.1
40°	51.0
42.5°	35.3
45°	22.9
47.5°	12.8
50°	7.2
52.5°	5.6
55°	5.2
57.5°	4.8
60°	4.4
62.5°	4.0
65°	3.6
67.5°	3.2
70°	2.8
72.5°	2.4
75°	2.0
77.5°	1.6
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)