

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: P1289893

Luminaire Tested: P3A05R45W2N902765DE010 E3DLD1GPH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3DLD1GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

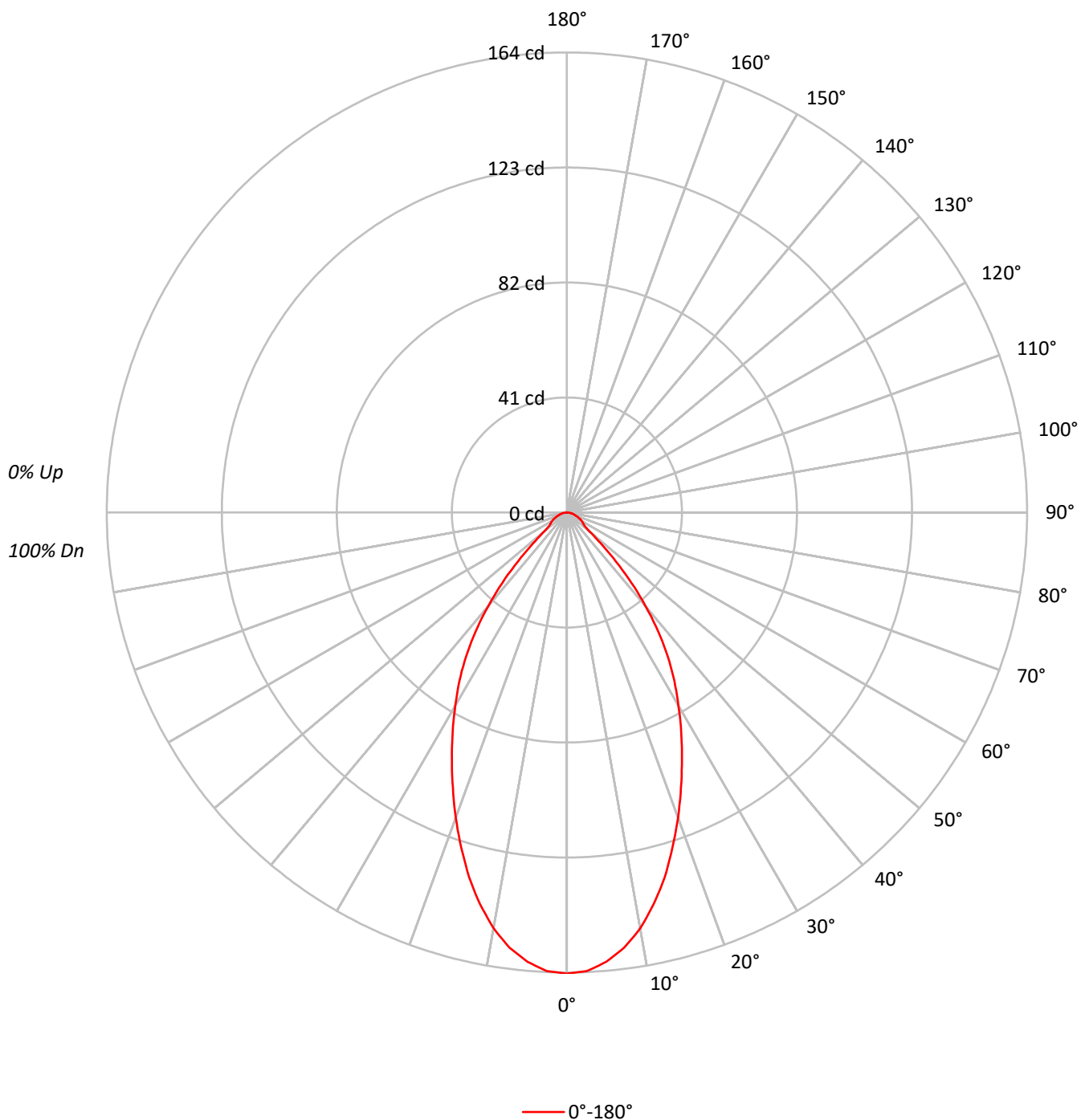
Lumens per Lamp: N/A
Luminaire Lumens: 170.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289893

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1GPH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1289893

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1GPH_5000K

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75		
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36050
5°	35395
10°	33511
15°	30556
20°	27022
25°	23469
30°	20130
35°	16784
40°	12509
45°	7660
50°	3548
55°	2753
60°	2675
65°	2439
70°	2244
75°	2118
80°	2020
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7660 cd/sqm

TEST NUMBER: P1289893

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1GPH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	8.8
10°-20°	37.5	22.0
20°-30°	44.5	26.2
30°-40°	38.7	22.8
40°-50°	19.4	11.4
50°-60°	6.7	4.0
60°-70°	4.7	2.8
70°-80°	2.6	1.5
80°-90°	0.8	0.5
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°	97.0	57.1
0°-40°	135.7	79.8
0°-60°	161.9	95.2
0°-90°	170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	164	
5°	161	15
15°	135	37
25°	97	45
35°	63	39
45°	25	19
55°	7	7
65°	5	5
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1289893

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1GPH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	164.4
2.5°	163.6
5°	160.8
7.5°	156.5
10°	150.5
12.5°	143.0
15°	134.6
17.5°	125.2
20°	115.8
22.5°	106.2
25°	97.0
27.5°	88.2
30°	79.5
32.5°	71.3
35°	62.7
37.5°	53.5
40°	43.7
42.5°	34.1
45°	24.7
47.5°	16.3
50°	10.4
52.5°	8.0
55°	7.2
57.5°	6.7
60°	6.1
62.5°	5.5
65°	4.7
67.5°	4.1
70°	3.5
72.5°	2.9
75°	2.5
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.6
87.5°	0.4
90°	0.0

(END OF REPORT)