

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: P1289931

Luminaire Tested: P3A05R45W2N902765DE010 E3DLP1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3DLP1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

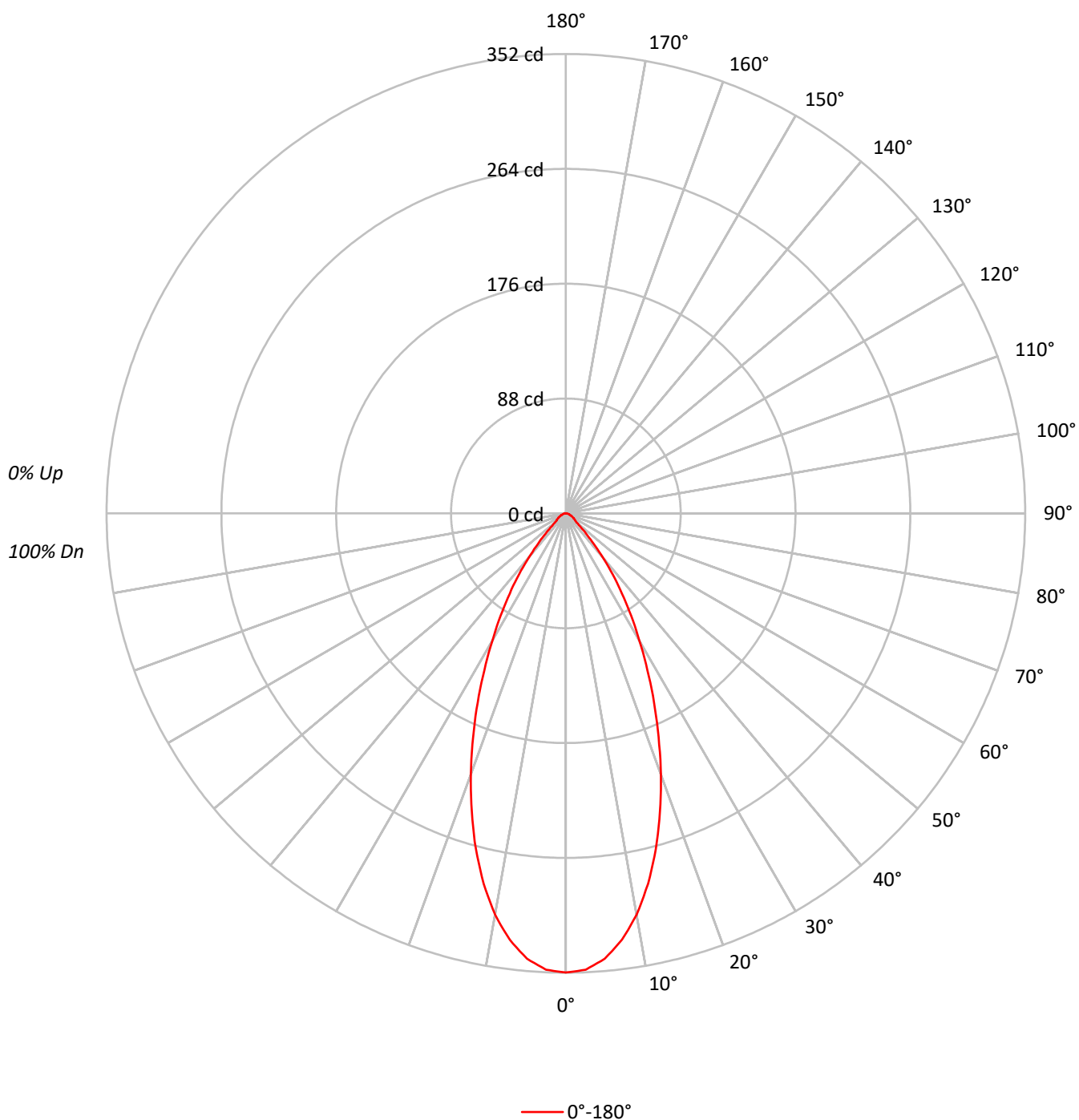
Lumens per Lamp: N/A
Luminaire Lumens: 259.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289931

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLP1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1289931

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLP1H_2700K

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86	83	81	79
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	66	64
7	83	73	67	63	81	72	67	62	71	66	62		70	65	62		69	65	61	60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58	56
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77143
5°	75391
10°	69538
15°	60477
20°	49681
25°	38664
30°	28536
35°	20077
40°	12538
45°	6791
50°	3684
55°	3173
60°	2851
65°	2439
70°	2052
75°	2118
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6791 cd/sqm

TEST NUMBER: P1289931

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLP1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	12.2
10°-20°	73.6	28.4
20°-30°	73.1	28.2
30°-40°	47.1	18.2
40°-50°	18.1	7.0
50°-60°	7.4	2.9
60°-70°	4.7	1.8
70°-80°	2.5	1.0
80°-90°	0.8	0.3
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°	178.5	68.9
0°-40°	225.5	87.1
0°-60°	251.1	96.9
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	342	32
15°	266	74
25°	160	73
35°	75	47
45°	22	18
55°	8	7
65°	5	5
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1289931

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLP1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	351.8
2.5°	350.0
5°	342.5
7.5°	329.6
10°	312.3
12.5°	290.8
15°	266.4
17.5°	239.8
20°	212.9
22.5°	185.6
25°	159.8
27.5°	135.3
30°	112.7
32.5°	93.0
35°	75.0
37.5°	58.9
40°	43.8
42.5°	31.6
45°	21.9
47.5°	14.7
50°	10.8
52.5°	9.0
55°	8.3
57.5°	7.2
60°	6.5
62.5°	5.4
65°	4.7
67.5°	3.9
70°	3.2
72.5°	2.9
75°	2.5
77.5°	1.8
80°	1.4
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)