

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: P1297517

Luminaire Tested: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1297517
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: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
E3DLP1GPH TRIM
Light Source: -
Ballast/Driver: -

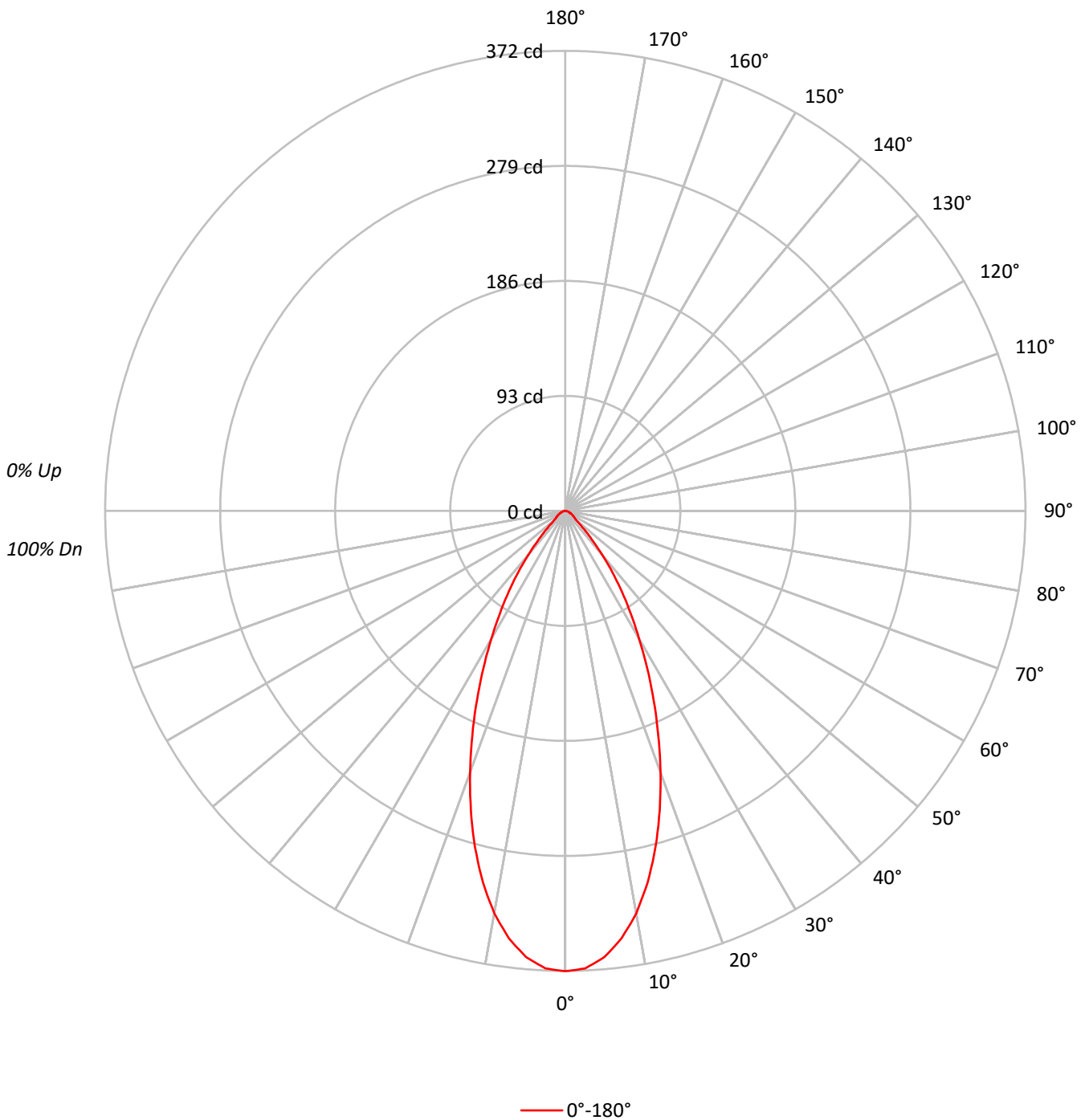
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 274.0 lumens
Efficiency: N/A
Efficacy: 22.3 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): 12.3
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: P1297517
CATALOG NUMBER: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1297517
 CATALOG NUMBER: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86			86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79			79
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	74			74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69			69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64			64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60			60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			56
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81616
5°	79749
10°	73568
15°	63973
20°	52551
25°	40889
30°	30207
35°	21255
40°	13253
45°	7195
50°	3889
55°	3326
60°	2982
65°	2542
70°	2180
75°	2288
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7195 cd/sqm



TEST NUMBER: P1297517

CATALOG NUMBER: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	12.2
10°-20°	77.9	28.4
20°-30°	77.3	28.2
30°-40°	49.8	18.2
40°-50°	19.2	7.0
50°-60°	7.8	2.8
60°-70°	4.9	1.8
70°-80°	2.7	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°	188.8	68.9
0°-40°	238.6	87.1
0°-60°	265.6	96.9
0°-90°	274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	372	
5°	362	34
15°	282	78
25°	169	77
35°	79	50
45°	23	19
55°	9	8
65°	5	5
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1297517
CATALOG NUMBER: P3AS13R45W2N902765DE010 E3DLP1GPH_3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	372.2
2.5°	370.3
5°	362.3
7.5°	348.6
10°	330.4
12.5°	307.6
15°	281.8
17.5°	253.7
20°	225.2
22.5°	196.3
25°	169.0
27.5°	143.2
30°	119.3
32.5°	98.4
35°	79.4
37.5°	62.3
40°	46.3
42.5°	33.4
45°	23.2
47.5°	15.6
50°	11.4
52.5°	9.5
55°	8.7
57.5°	7.6
60°	6.8
62.5°	5.7
65°	4.9
67.5°	4.2
70°	3.4
72.5°	3.0
75°	2.7
77.5°	1.9
80°	1.5
82.5°	1.1
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)