

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: P1301340

Luminaire Tested: P3A17R45W2N902765DE010 E3DLP1WMH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1301340
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: P3A17R45W2N902765DE010 E3DLP1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

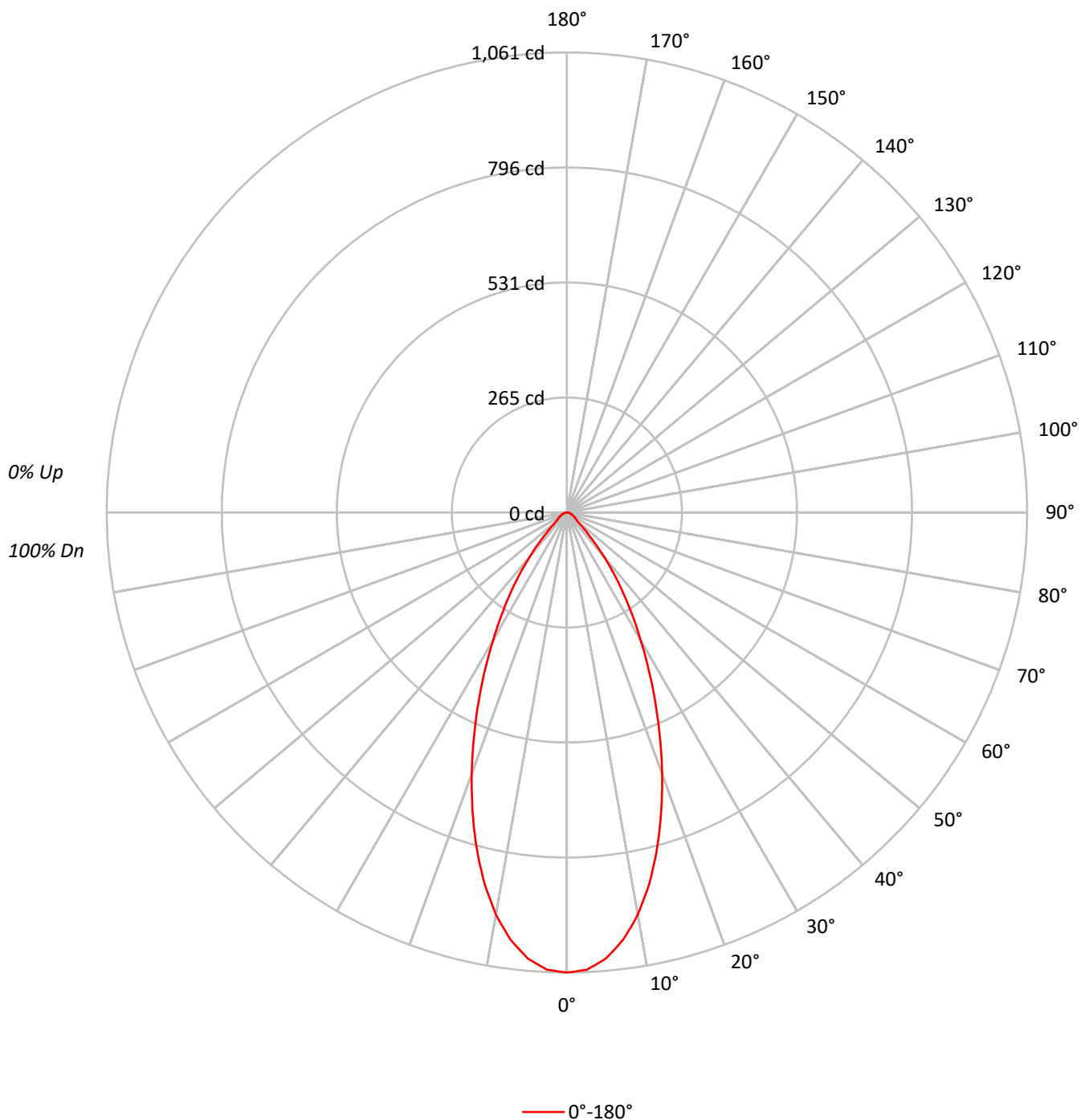
Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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: P1301340

CATALOG NUMBER: P3A17R45W2N902765DE010 E3DLP1WMH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1301340

CATALOG NUMBER: P3A17R45W2N902765DE010 E3DLP1WMH_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	63	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°	232635
5°	227316
10°	209704
15°	182339
20°	149790
25°	116547
30°	86064
35°	60552
40°	37814
45°	20467
50°	11087
55°	9519
60°	8552
65°	7316
70°	6219
75°	6439
80°	5430
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20467 cd/sqm

TEST NUMBER: P1301340

CATALOG NUMBER: P3A17R45W2N902765DE010 E3DLP1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	12.2
10°-20°	222.0	28.4
20°-30°	220.4	28.2
30°-40°	142.0	18.2
40°-50°	54.7	7.0
50°-60°	22.3	2.8
60°-70°	14.0	1.8
70°-80°	7.6	1.0
80°-90°	2.4	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°	538.1	68.9
0°-40°	680.1	87.1
0°-60°	757.0	96.9
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1061	
5°	1033	96
15°	803	222
25°	482	220
35°	226	142
45°	66	55
55°	25	22
65°	14	14
75°	8	8
85°	2	2
90°	0	

TEST NUMBER: P1301340

CATALOG NUMBER: P3A17R45W2N902765DE010 E3DLP1WMH_2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1060.9
2.5°	1055.5
5°	1032.7
7.5°	993.8
10°	941.8
12.5°	876.8
15°	803.2
17.5°	723.1
20°	641.9
22.5°	559.7
25°	481.7
27.5°	408.1
30°	339.9
32.5°	280.4
35°	226.2
37.5°	177.5
40°	132.1
42.5°	95.3
45°	66.0
47.5°	44.4
50°	32.5
52.5°	27.1
55°	24.9
57.5°	21.7
60°	19.5
62.5°	16.2
65°	14.1
67.5°	11.9
70°	9.7
72.5°	8.7
75°	7.6
77.5°	5.4
80°	4.3
82.5°	3.2
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)