

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: P1249758

Luminaire Tested: P3AS17R509027DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509027DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

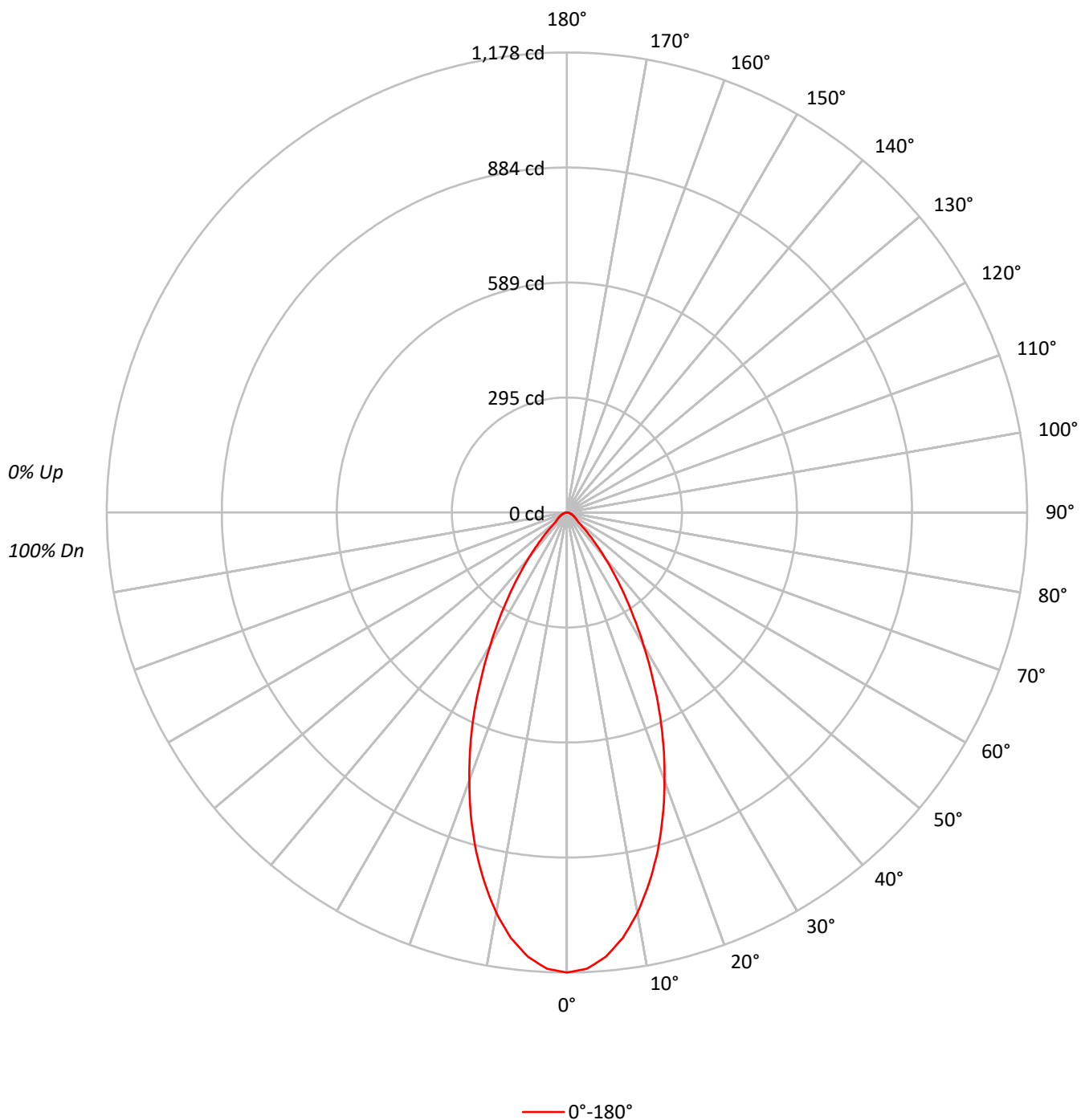
Lumens per Lamp: N/A
Luminaire Lumens: 887.9 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1249758

CATALOG NUMBER: P3AS17R509027DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249758

CATALOG NUMBER: P3AS17R509027DE010 E3DLP1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	258269
5°	251331
10°	231748
15°	203815
20°	170511
25°	135226
30°	99205
35°	68208
40°	43338
45°	24220
50°	13134
55°	11010
60°	9473
65°	8717
70°	7694
75°	7117
80°	6061
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24220 cd/sqm

TEST NUMBER: P1249758

CATALOG NUMBER: P3AS17R509027DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	11.9
10°-20°	248.6	28.0
20°-30°	254.3	28.6
30°-40°	161.3	18.2
40°-50°	64.2	7.2
50°-60°	26.0	2.9
60°-70°	16.6	1.9
70°-80°	8.5	1.0
80°-90°	2.6	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°	608.7	68.6
0°-40°	770.0	86.7
0°-60°	860.2	96.9
0°-90°	887.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1178	
5°	1142	106
15°	898	249
25°	559	254
35°	255	161
45°	78	64
55°	29	26
65°	17	17
75°	8	9
85°	2	3
90°	0	

TEST NUMBER: P1249758

CATALOG NUMBER: P3AS17R509027DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1177.8
2.5°	1169.4
5°	1141.8
7.5°	1098.5
10°	1040.8
12.5°	972.3
15°	897.8
17.5°	816.1
20°	730.7
22.5°	645.4
25°	558.9
27.5°	472.3
30°	391.8
32.5°	319.7
35°	254.8
37.5°	199.5
40°	151.4
42.5°	111.8
45°	78.1
47.5°	52.9
50°	38.5
52.5°	32.4
55°	28.8
57.5°	25.2
60°	21.6
62.5°	19.2
65°	16.8
67.5°	14.4
70°	12.0
72.5°	9.6
75°	8.4
77.5°	6.0
80°	4.8
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)