

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: P1249172

Luminaire Tested: P3AS13R159027DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R159027DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

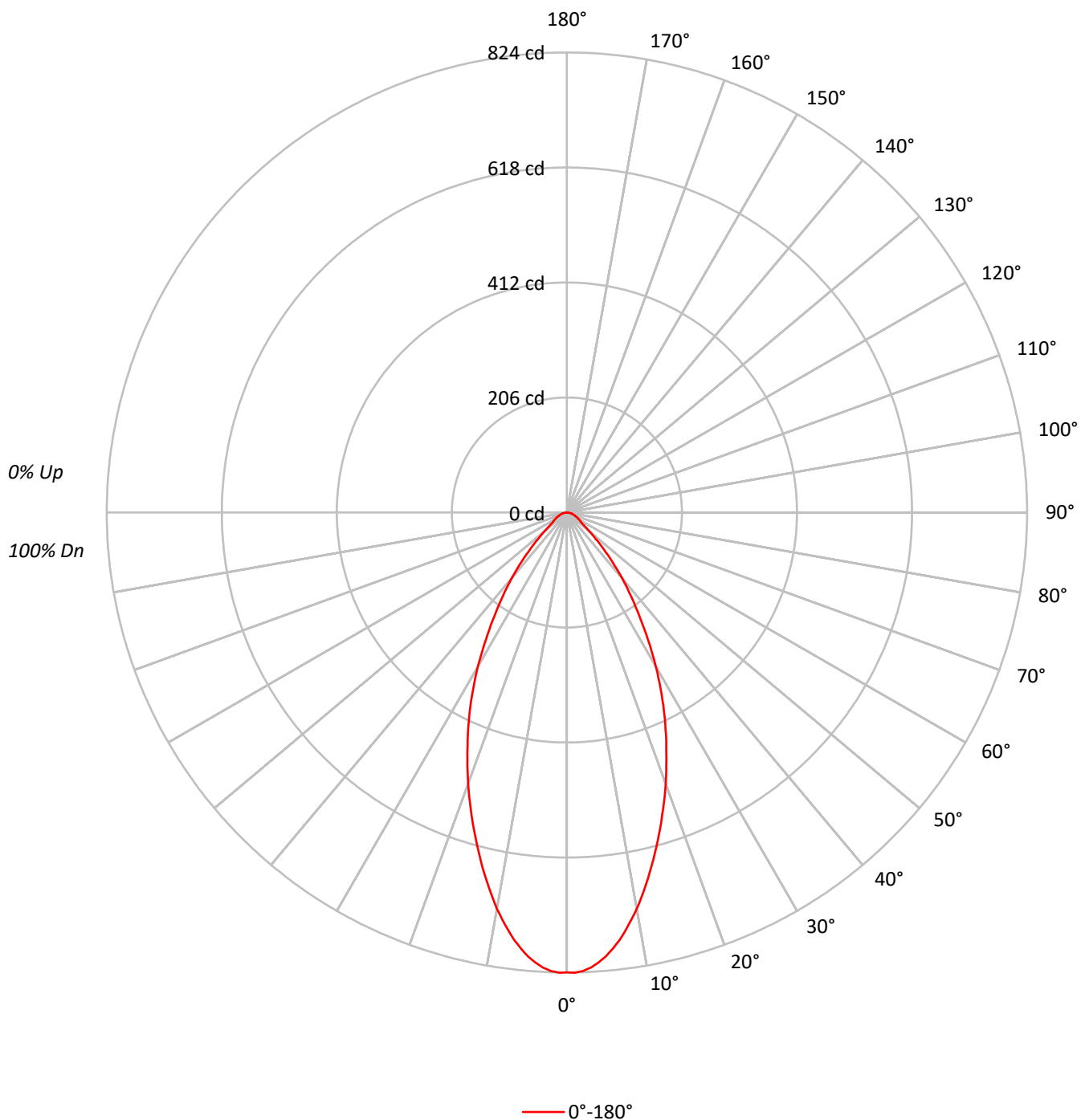
Lumens per Lamp: N/A
Luminaire Lumens: 715.9 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1249172

CATALOG NUMBER: P3AS13R159027DE010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249172

CATALOG NUMBER: P3AS13R159027DE010 E3DLD1MW

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	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	95	91	95	92	89		92	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	73	68	87	79	73	68	77	72	67		75	71	67		74
6	84	74	68	63	83	73	67	63	72	66	62		70	66	62		69
7	80	69	63	58	78	69	63	58	67	62	58		66	61	57		65
8	76	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180600
5°	175698
10°	160563
15°	140636
20°	120644
25°	100724
30°	80620
35°	60472
40°	43882
45°	28685
50°	17944
55°	12119
60°	10745
65°	9858
70°	9296
75°	8472
80°	7956
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

TEST NUMBER: P1249172

CATALOG NUMBER: P3AS13R159027DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	10.3
10°-20°	172.6	24.1
20°-30°	190.2	26.6
30°-40°	142.4	19.9
40°-50°	73.8	10.3
50°-60°	30.6	4.3
60°-70°	18.9	2.6
70°-80°	10.7	1.5
80°-90°	3.1	0.4
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°	436.5	61.0
0°-40°	578.9	80.9
0°-60°	683.3	95.4
0°-90°	715.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	715.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	798	74
15°	620	173
25°	416	190
35°	226	142
45°	92	74
55°	32	31
65°	19	19
75°	10	11
85°	3	3
90°	0	

TEST NUMBER: P1249172

CATALOG NUMBER: P3AS13R159027DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	823.6
1°	824.5
2°	821.8
3°	816.4
4°	808.2
5°	798.2
6°	785.5
7°	771.9
8°	755.6
9°	738.3
10°	721.1
12.5°	671.2
15°	619.5
17.5°	567.8
20°	517.0
22.5°	465.3
25°	416.3
27.5°	367.4
30°	318.4
32.5°	270.3
35°	225.9
37.5°	187.8
40°	153.3
42.5°	121.5
45°	92.5
47.5°	69.8
50°	52.6
52.5°	39.0
55°	31.7
57.5°	28.1
60°	24.5
62.5°	21.8
65°	19.0
67.5°	16.3
70°	14.5
72.5°	11.8
75°	10.0
77.5°	8.2
80°	6.3
82.5°	4.5
85°	2.7
87.5°	0.9
90°	0.0

(END OF REPORT)