

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: P1249480

Luminaire Tested: P3AS13R709027DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R709027DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

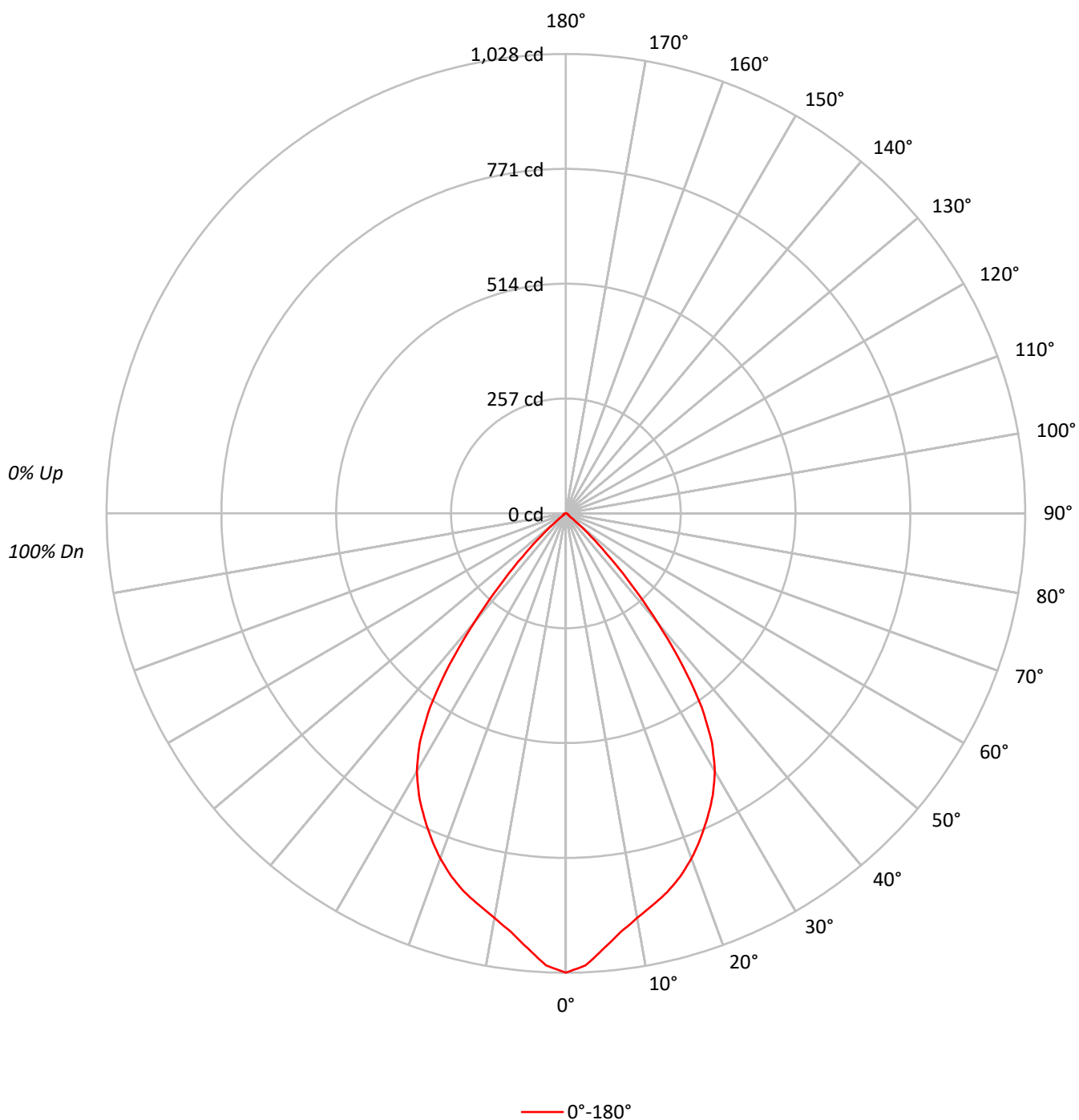
Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1249480

CATALOG NUMBER: P3AS13R709027DE010 E3D1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1249480

CATALOG NUMBER: P3AS13R709027DE010 E3D1MW

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	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	225377
5°	215056
10°	204628
15°	199138
20°	191793
25°	181510
30°	168836
35°	141823
40°	91400
45°	42485
50°	11155
55°	2791
60°	2807
65°	2335
70°	2308
75°	2288
80°	2273
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42485 cd/sqm

TEST NUMBER: P1249480

CATALOG NUMBER: P3AS13R709027DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	8.1
10°-20°	246.5	21.7
20°-30°	344.4	30.3
30°-40°	319.3	28.1
40°-50°	114.5	10.1
50°-60°	9.7	0.9
60°-70°	4.8	0.4
70°-80°	3.1	0.3
80°-90°	1.2	0.1
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°	682.3	60.1
0°-40°	1001.6	88.3
0°-60°	1125.9	99.2
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1028	
5°	977	91
15°	877	246
25°	750	344
35°	530	319
45°	137	114
55°	7	10
65°	4	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1249480

CATALOG NUMBER: P3AS13R709027DE010 E3D1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1027.8
2.5°	1012.4
5°	977.0
7.5°	944.4
10°	919.0
12.5°	898.1
15°	877.2
17.5°	851.8
20°	821.9
22.5°	787.4
25°	750.2
27.5°	712.1
30°	666.8
32.5°	608.7
35°	529.8
37.5°	429.1
40°	319.3
42.5°	217.7
45°	137.0
47.5°	76.2
50°	32.7
52.5°	10.9
55°	7.3
57.5°	6.4
60°	6.4
62.5°	5.4
65°	4.5
67.5°	4.5
70°	3.6
72.5°	3.6
75°	2.7
77.5°	2.7
80°	1.8
82.5°	1.8
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)