

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: P1252100

Luminaire Tested: P3AS13R559030DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R559030DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

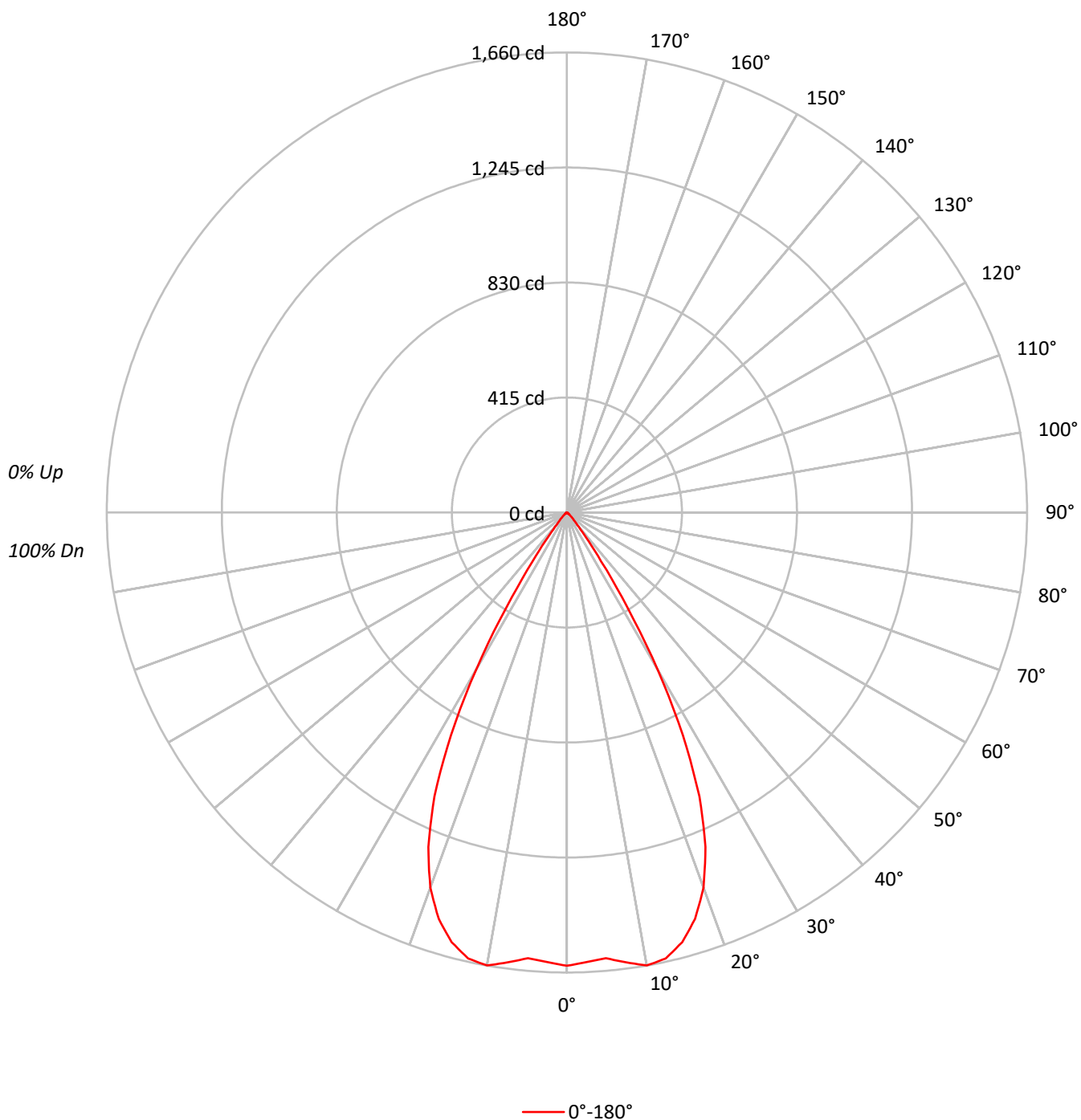
Lumens per Lamp: N/A
Luminaire Lumens: 1293.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252100

CATALOG NUMBER: P3AS13R559030DE010 E3D1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1252100

CATALOG NUMBER: P3AS13R559030DE010 E3D1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		84
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		70
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		66
8	83	74	69	65	82	74	69	65	73	68	65		72	67	64		63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	358612
5°	355293
10°	369555
15°	364429
20°	336053
25°	273427
30°	166076
35°	57500
40°	16402
45°	7846
50°	3309
55°	1491
60°	1710
65°	1505
70°	1218
75°	1610
80°	1263
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7846 cd/sqm

TEST NUMBER: P1252100

CATALOG NUMBER: P3AS13R559030DE010 E3D1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	12.1
10°-20°	446.2	34.5
20°-30°	497.4	38.5
30°-40°	162.7	12.6
40°-50°	21.4	1.7
50°-60°	4.5	0.4
60°-70°	2.6	0.2
70°-80°	1.6	0.1
80°-90°	0.4	0.0
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°	1099.6	85.0
0°-40°	1262.3	97.6
0°-60°	1288.3	99.6
0°-90°	1293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1635	
5°	1614	156
15°	1605	446
25°	1130	497
35°	215	163
45°	25	21
55°	4	5
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1252100

CATALOG NUMBER: P3AS13R559030DE010 E3D1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1635.4
2.5°	1623.8
5°	1614.1
7.5°	1637.4
10°	1659.7
12.5°	1648.1
15°	1605.3
17.5°	1537.3
20°	1440.1
22.5°	1306.0
25°	1130.1
27.5°	906.6
30°	655.9
32.5°	402.3
35°	214.8
37.5°	108.8
40°	57.3
42.5°	36.9
45°	25.3
47.5°	17.5
50°	9.7
52.5°	5.8
55°	3.9
57.5°	3.9
60°	3.9
62.5°	2.9
65°	2.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)