

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: P1274170

Luminaire Tested: P3A13R559830DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559830DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

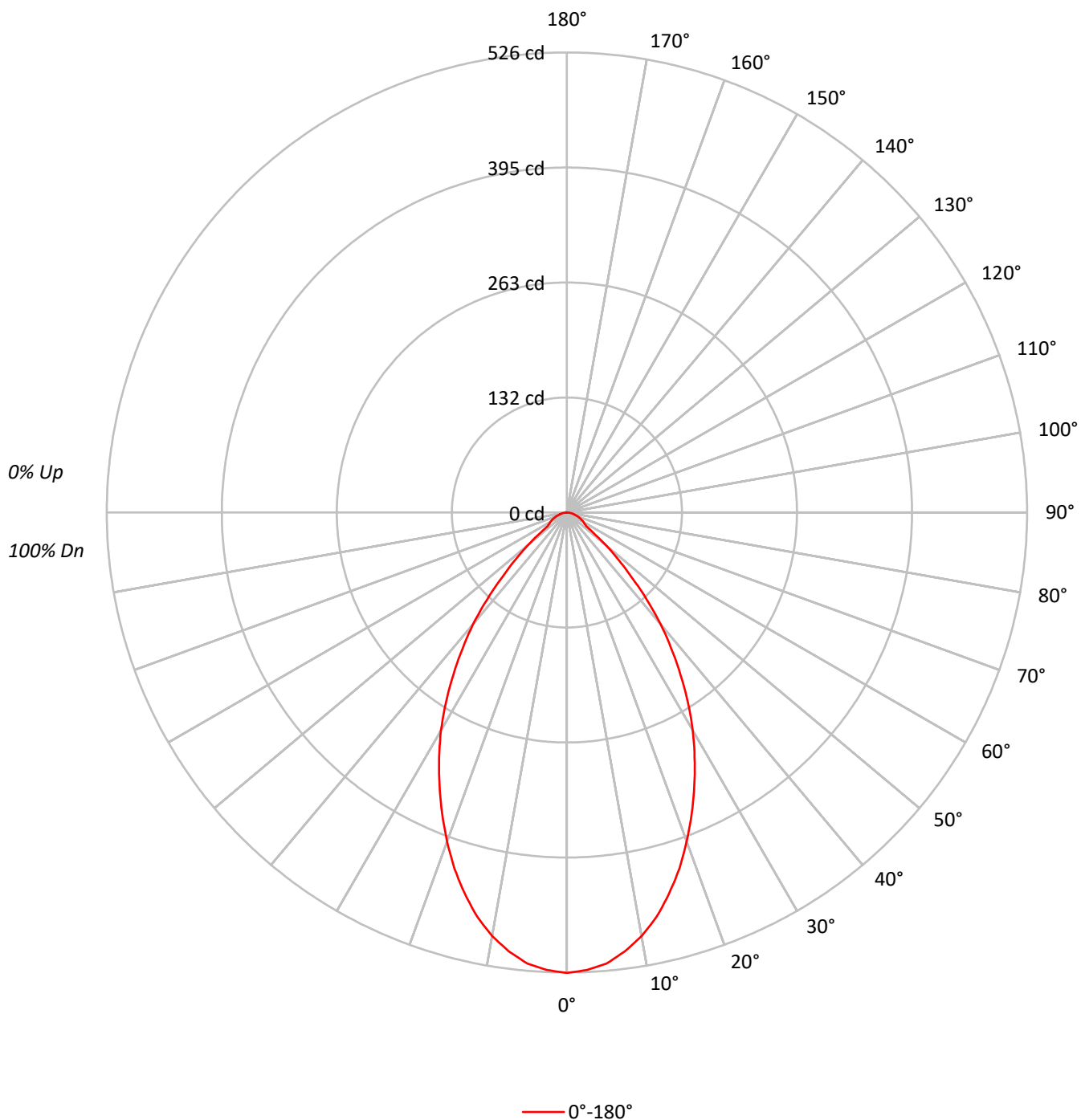
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1274170

CATALOG NUMBER: P3A13R559830DE010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1274170

CATALOG NUMBER: P3A13R559830DE010 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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	54	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115451
5°	113977
10°	109484
15°	102407
20°	93411
25°	83352
30°	72897
35°	60579
40°	47747
45°	32375
50°	19786
55°	10246
60°	9561
65°	9028
70°	8399
75°	7371
80°	7324
85°	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32375 cd/sqm

TEST NUMBER: P1274170

CATALOG NUMBER: P3A13R559830DE010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	7.9
10°-20°	126.1	20.5
20°-30°	157.9	25.7
30°-40°	140.9	23.0
40°-50°	82.5	13.4
50°-60°	28.5	4.6
60°-70°	17.2	2.8
70°-80°	9.6	1.6
80°-90°	2.8	0.5
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°	332.5	54.2
0°-40°	473.4	77.1
0°-60°	584.4	95.2
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	526	
5°	518	49
15°	451	126
25°	344	158
35°	226	141
45°	104	83
55°	27	28
65°	17	17
75°	9	10
85°	2	3
90°	0	

TEST NUMBER: P1274170

CATALOG NUMBER: P3A13R559830DE010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	526.5
2.5°	523.6
5°	517.8
7.5°	506.2
10°	491.7
12.5°	473.5
15°	451.1
17.5°	427.1
20°	400.3
22.5°	372.7
25°	344.5
27.5°	316.2
30°	287.9
32.5°	257.4
35°	226.3
37.5°	195.8
40°	166.8
42.5°	135.6
45°	104.4
47.5°	79.8
50°	58.0
52.5°	37.7
55°	26.8
57.5°	23.9
60°	21.8
62.5°	19.6
65°	17.4
67.5°	15.2
70°	13.1
72.5°	10.9
75°	8.7
77.5°	7.3
80°	5.8
82.5°	3.6
85°	2.2
87.5°	1.5
90°	0.0

(END OF REPORT)