

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: P1269181

Luminaire Tested: P3A05R559740DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269181
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: P3A05R559740DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

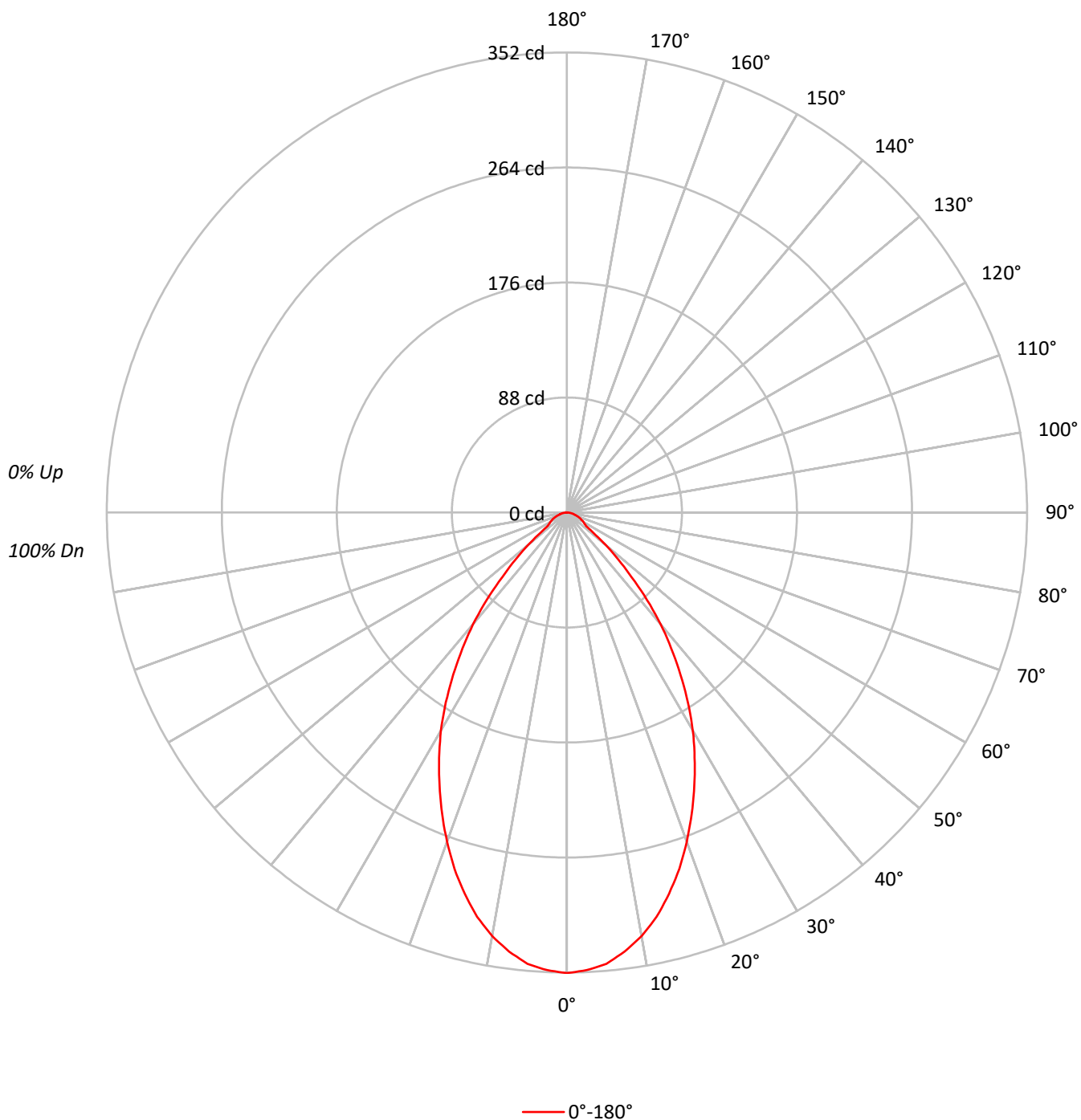
Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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Luminous Intensity Polar Plot



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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°	77275
5°	76293
10°	73279
15°	68536
20°	62539
25°	55794
30°	48792
35°	40555
40°	31946
45°	21677
50°	13236
55°	6881
60°	6403
65°	6071
70°	5578
75°	4914
80°	4925
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	7.9
10°-20°	84.4	20.5
20°-30°	105.7	25.7
30°-40°	94.3	23.0
40°-50°	55.2	13.4
50°-60°	19.1	4.6
60°-70°	11.5	2.8
70°-80°	6.4	1.6
80°-90°	1.9	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°	222.6	54.1
0°-40°	316.9	77.1
0°-60°	391.2	95.2
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	347	33
15°	302	84
25°	231	106
35°	152	94
45°	70	55
55°	18	19
65°	12	12
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	352.4
2.5°	350.5
5°	346.6
7.5°	338.8
10°	329.1
12.5°	317.0
15°	301.9
17.5°	285.9
20°	268.0
22.5°	249.5
25°	230.6
27.5°	211.6
30°	192.7
32.5°	172.3
35°	151.5
37.5°	131.1
40°	111.6
42.5°	90.8
45°	69.9
47.5°	53.4
50°	38.8
52.5°	25.2
55°	18.0
57.5°	16.0
60°	14.6
62.5°	13.1
65°	11.7
67.5°	10.2
70°	8.7
72.5°	7.3
75°	5.8
77.5°	4.9
80°	3.9
82.5°	2.4
85°	1.5
87.5°	1.0
90°	0.0

(END OF REPORT)