

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: P1246252

Luminaire Tested: P3A05R559024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246252
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: P3A05R559024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

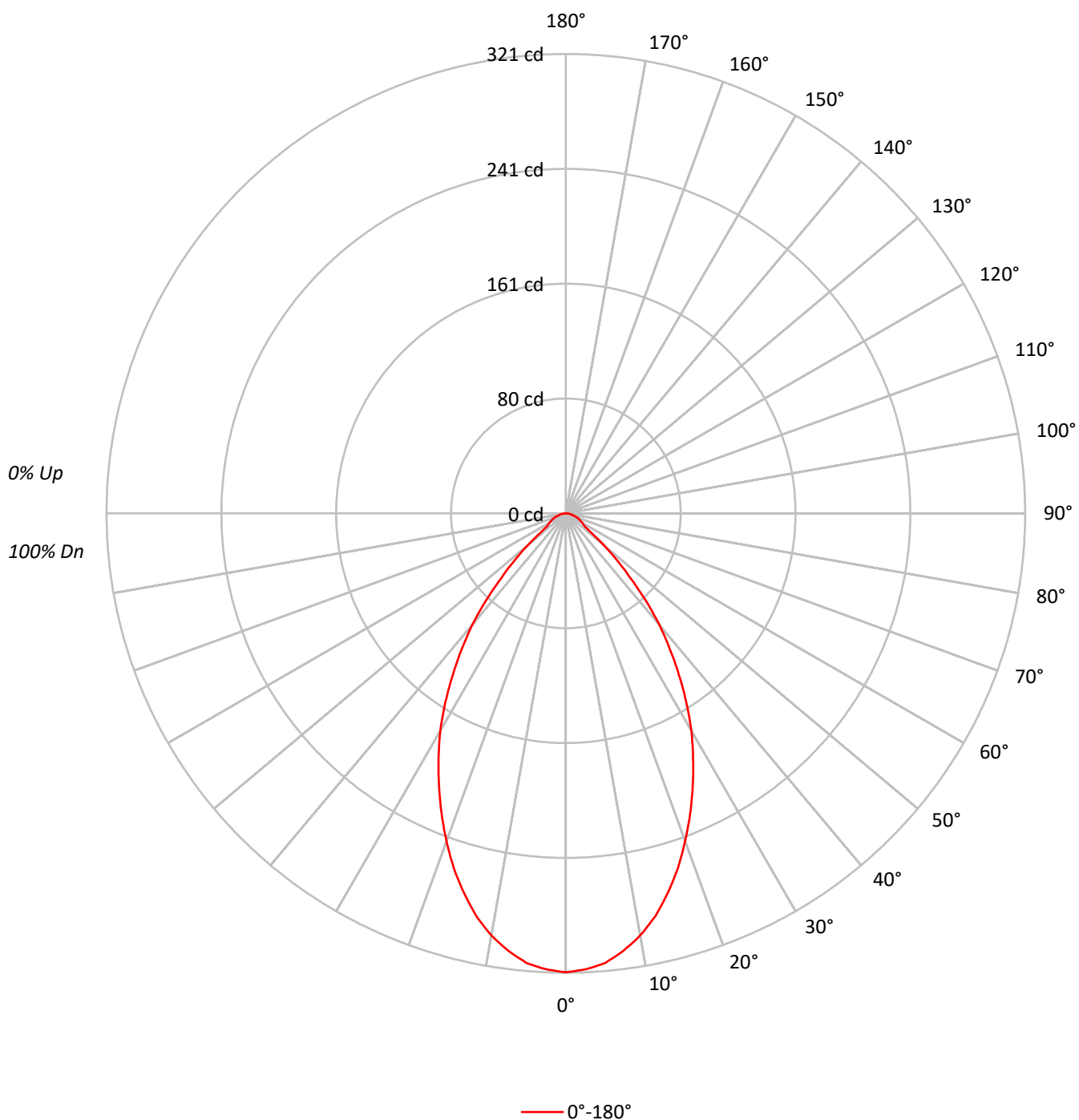
Lumens per Lamp: N/A
Luminaire Lumens: 374.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1246252

CATALOG NUMBER: P3A05R559024DE010 E3DLD1MW

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	96		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	55	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°	70323
5°	69425
10°	66688
15°	62384
20°	56892
25°	50761
30°	44412
35°	36888
40°	29083
45°	19723
50°	12042
55°	6232
60°	5833
65°	5500
70°	5129
75°	4490
80°	4420
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	7.9
10°-20°	76.8	20.5
20°-30°	96.2	25.7
30°-40°	85.8	23.0
40°-50°	50.3	13.4
50°-60°	17.4	4.6
60°-70°	10.5	2.8
70°-80°	5.8	1.6
80°-90°	1.7	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°	202.5	54.2
0°-40°	288.4	77.1
0°-60°	356.0	95.2
0°-90°	374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	321	
5°	315	30
15°	275	77
25°	210	96
35°	138	86
45°	64	50
55°	16	17
65°	11	11
75°	5	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	320.7
2.5°	318.9
5°	315.4
7.5°	308.3
10°	299.5
12.5°	288.4
15°	274.8
17.5°	260.2
20°	243.8
22.5°	227.0
25°	209.8
27.5°	192.6
30°	175.4
32.5°	156.8
35°	137.8
37.5°	119.3
40°	101.6
42.5°	82.6
45°	63.6
47.5°	48.6
50°	35.3
52.5°	23.0
55°	16.3
57.5°	14.6
60°	13.3
62.5°	11.9
65°	10.6
67.5°	9.3
70°	8.0
72.5°	6.6
75°	5.3
77.5°	4.4
80°	3.5
82.5°	2.2
85°	1.3
87.5°	0.9
90°	0.0

(END OF REPORT)