

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: P1247419

Luminaire Tested: P3A17R559024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247419
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: P3A17R559024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

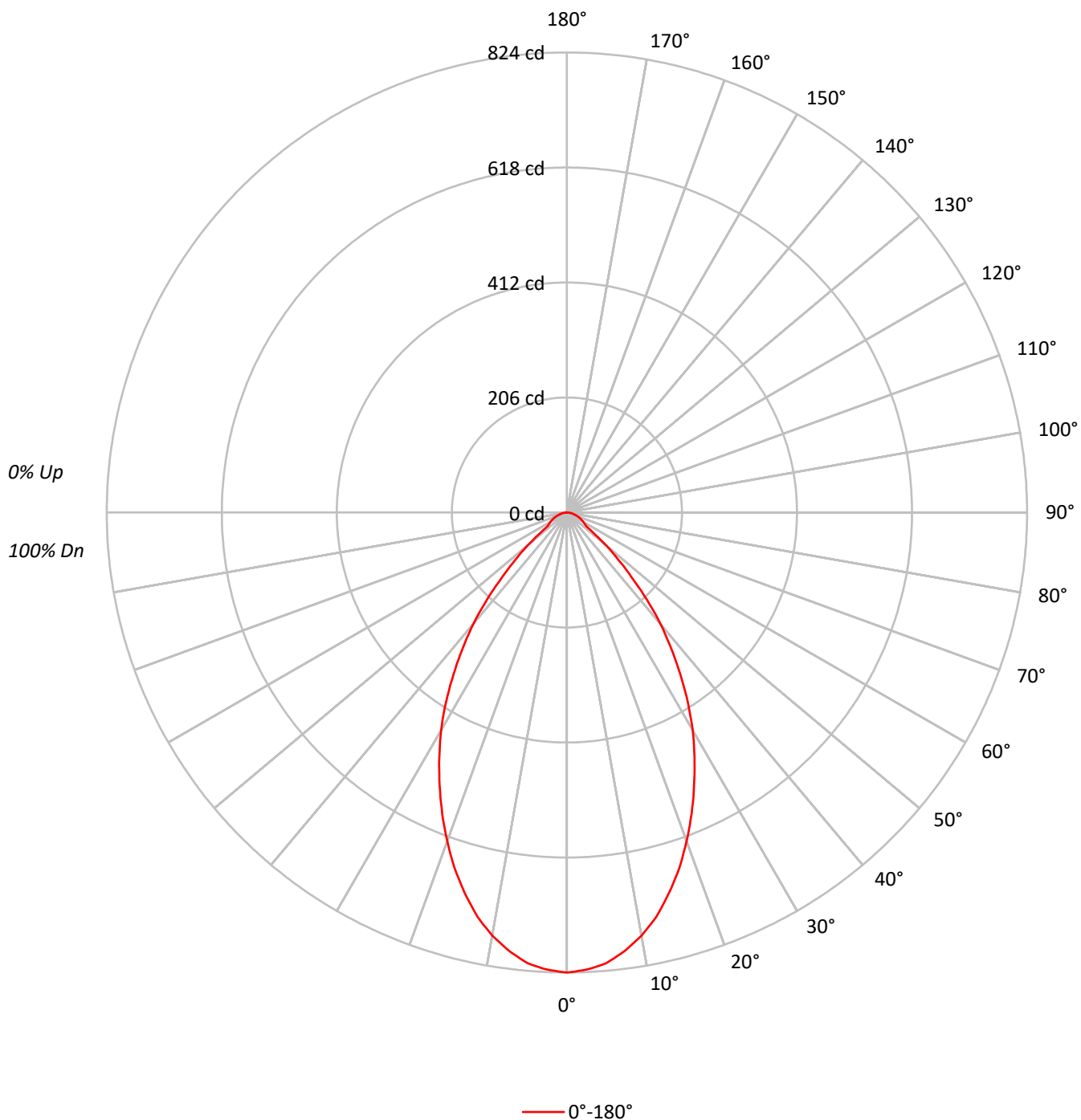
Lumens per Lamp: N/A
Luminaire Lumens: 961.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	95		95	94	93
2	105	100	95	91		103	98	93	90		94	91	88		91	88	86		89	86	84
3	99	91	85	81		97	90	84	80		87	82	79		85	81	77		82	79	76
4	93	84	77	72		91	83	77	72		80	75	71		78	74	70		76	73	69
5	87	77	71	66		85	76	70	65		75	69	65		73	68	64		71	67	64
6	82	72	65	60		80	71	64	60		69	64	59		68	63	59		66	62	58
7	77	67	60	55		76	66	59	55		65	59	54		63	58	54		62	57	54
8	73	62	55	51		72	62	55	51		60	55	50		59	54	50		58	53	50
9	69	58	51	47		68	58	51	47		57	51	47		56	50	46		55	50	46
10	65	55	48	44		64	54	48	44		53	47	43		52	47	43		52	47	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180687
5°	178384
10°	171340
15°	160273
20°	146196
25°	130435
30°	114094
35°	94790
40°	74740
45°	50672
50°	30976
55°	16057
60°	14955
65°	14113
70°	13079
75°	11522
80°	11491
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	7.9
10°-20°	197.3	20.5
20°-30°	247.1	25.7
30°-40°	220.6	23.0
40°-50°	129.1	13.4
50°-60°	44.6	4.6
60°-70°	26.9	2.8
70°-80°	15.0	1.6
80°-90°	4.3	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°	520.4	54.2
0°-40°	741.0	77.1
0°-60°	914.8	95.2
0°-90°	961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	810	76
15°	706	197
25°	539	247
35°	354	221
45°	163	129
55°	42	45
65°	27	27
75°	14	15
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	824.0
2.5°	819.5
5°	810.4
7.5°	792.2
10°	769.5
12.5°	741.2
15°	706.0
17.5°	668.5
20°	626.5
22.5°	583.4
25°	539.1
27.5°	494.9
30°	450.6
32.5°	402.9
35°	354.1
37.5°	306.5
40°	261.1
42.5°	212.2
45°	163.4
47.5°	124.9
50°	90.8
52.5°	59.0
55°	42.0
57.5°	37.5
60°	34.1
62.5°	30.6
65°	27.2
67.5°	23.8
70°	20.4
72.5°	17.0
75°	13.6
77.5°	11.4
80°	9.1
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0

(END OF REPORT)