

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: P1256815

Luminaire Tested: P3AS05R709040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R709040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

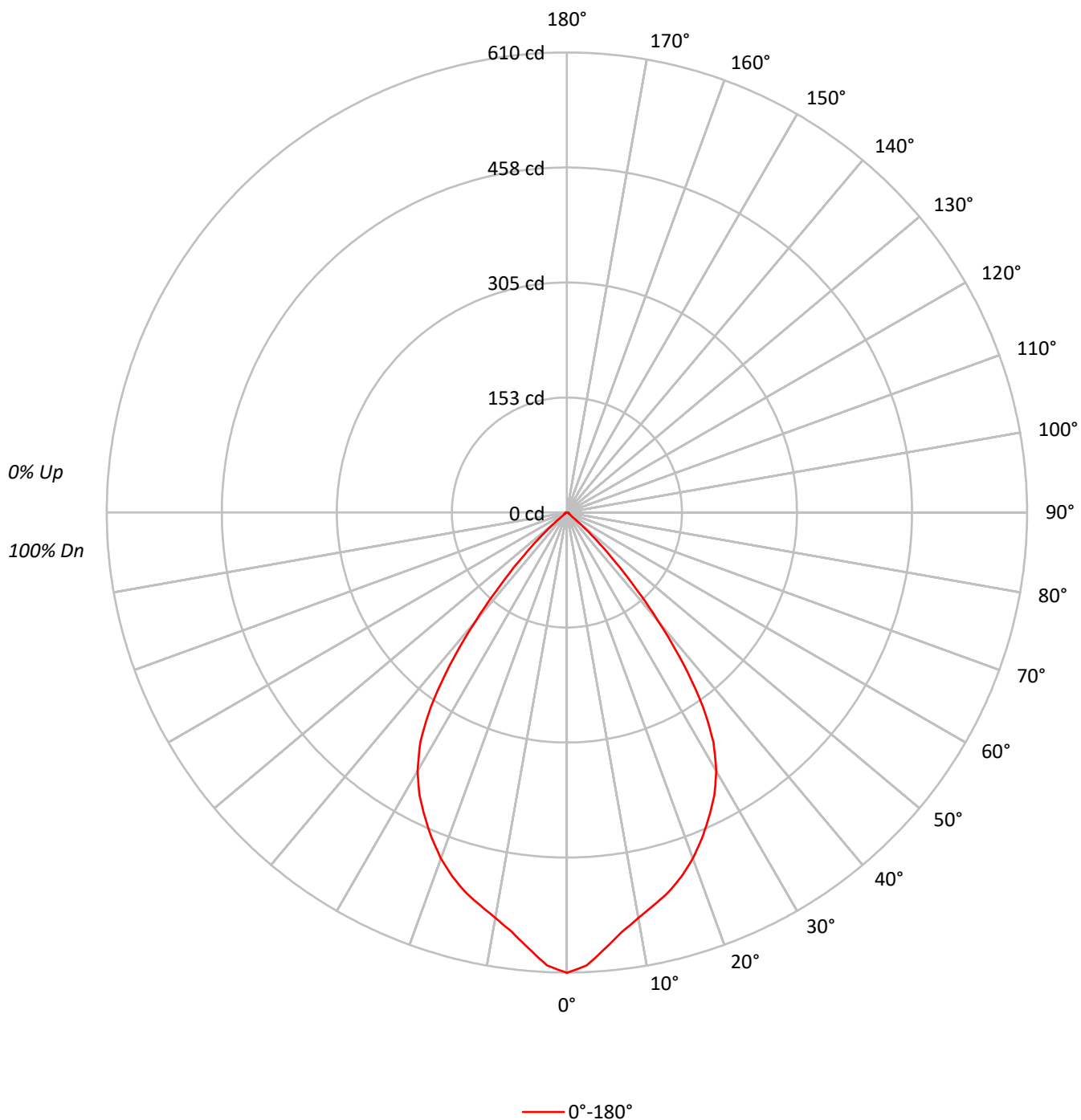
Lumens per Lamp: N/A
Luminaire Lumens: 674.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133849
5°	127713
10°	121507
15°	118253
20°	113900
25°	107788
30°	100243
35°	84216
40°	54273
45°	25212
50°	6618
55°	1644
60°	1667
65°	1401
70°	1410
75°	1356
80°	1389
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25212 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	8.1
10°-20°	146.4	21.7
20°-30°	204.5	30.3
30°-40°	189.6	28.1
40°-50°	68.0	10.1
50°-60°	5.8	0.9
60°-70°	2.9	0.4
70°-80°	1.9	0.3
80°-90°	0.7	0.1
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°	405.2	60.1
0°-40°	594.8	88.2
0°-60°	668.6	99.2
0°-90°	674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	610	
5°	580	54
15°	521	146
25°	446	205
35°	315	190
45°	81	68
55°	4	6
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	610.4
2.5°	601.2
5°	580.2
7.5°	560.8
10°	545.7
12.5°	533.3
15°	520.9
17.5°	505.8
20°	488.1
22.5°	467.6
25°	445.5
27.5°	422.9
30°	395.9
32.5°	361.5
35°	314.6
37.5°	254.8
40°	189.6
42.5°	129.3
45°	81.3
47.5°	45.3
50°	19.4
52.5°	6.5
55°	4.3
57.5°	3.8
60°	3.8
62.5°	3.2
65°	2.7
67.5°	2.7
70°	2.2
72.5°	2.2
75°	1.6
77.5°	1.6
80°	1.1
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)