

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: P1248665

Luminaire Tested: P3AS05R659027DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R659027DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

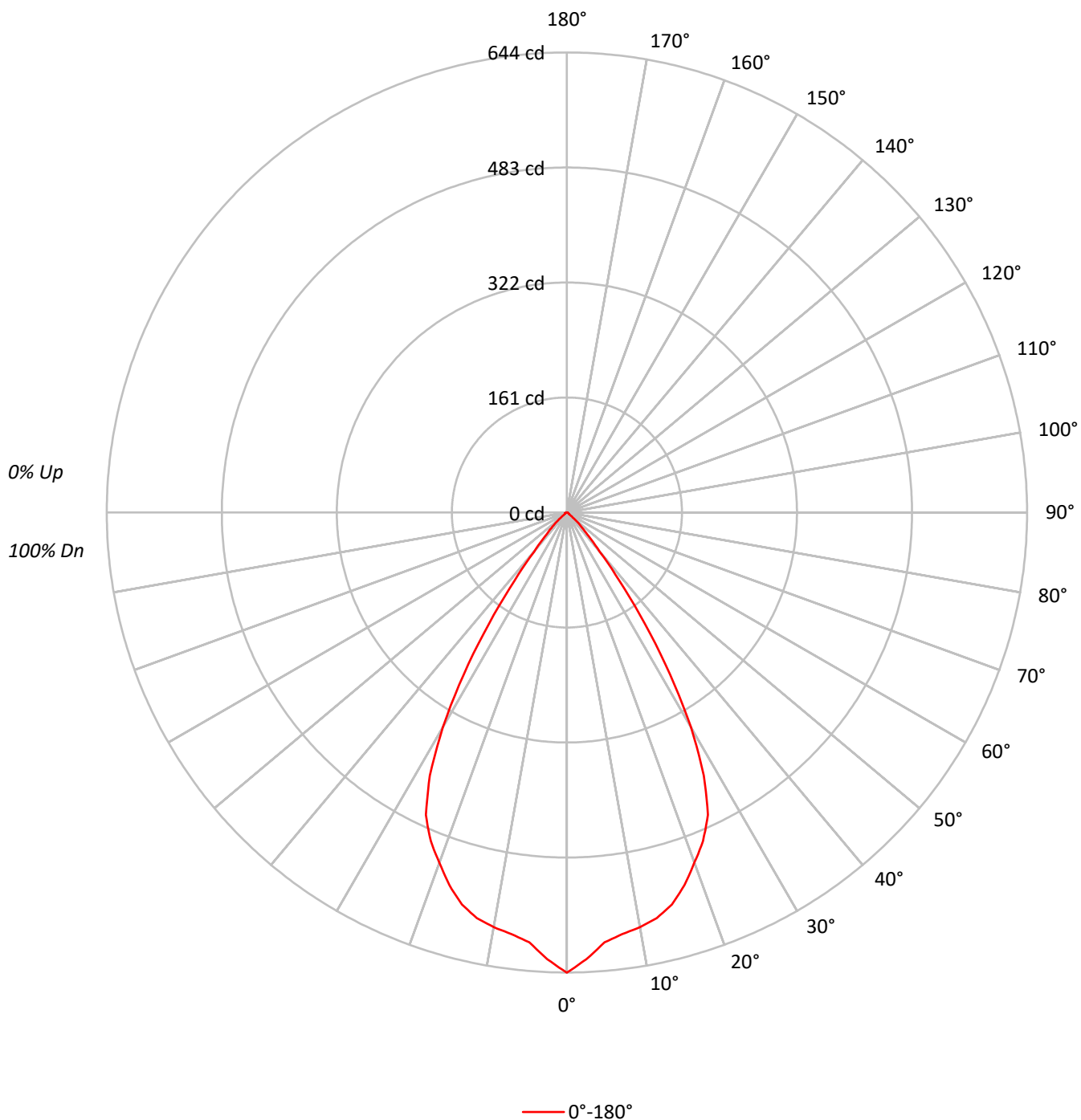
Lumens per Lamp: N/A
Luminaire Lumens: 578.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					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	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	93		95	93	91		92	90	89
3	103	96	91	87		101	95	90	87		92	88	85		90	87	84		88	85	83
4	97	90	84	80		96	89	84	80		87	82	79		85	81	78		83	80	77
5	93	84	78	74		91	83	78	74		82	77	73		80	76	73		78	75	72
6	88	79	73	69		86	78	73	69		77	72	68		75	71	68		74	70	67
7	84	74	68	64		82	74	68	64		72	67	64		71	67	63		70	66	63
8	80	70	64	60		78	69	64	60		68	63	60		67	63	59		66	62	59
9	76	66	60	56		75	66	60	56		65	60	56		64	59	56		63	59	56
10	72	63	57	53		71	62	57	53		61	56	53		60	56	53		60	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141261
5°	132951
10°	131260
15°	128945
20°	121741
25°	112990
30°	87836
35°	50808
40°	20467
45°	9427
50°	3684
55°	1415
60°	1228
65°	1193
70°	1218
75°	1186
80°	1137
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	9.9
10°-20°	158.6	27.4
20°-30°	207.6	35.9
30°-40°	120.3	20.8
40°-50°	25.7	4.5
50°-60°	4.2	0.7
60°-70°	2.3	0.4
70°-80°	1.3	0.2
80°-90°	0.5	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°	423.6	73.3
0°-40°	543.9	94.1
0°-60°	573.8	99.3
0°-90°	578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	644	
5°	604	57
15°	568	159
25°	467	208
35°	190	120
45°	30	26
55°	4	4
65°	2	2
75°	1	1
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	644.2
2.5°	625.9
5°	604.0
7.5°	595.1
10°	589.5
12.5°	581.5
15°	568.0
17.5°	546.9
20°	521.7
22.5°	497.8
25°	467.0
27.5°	415.1
30°	346.9
32.5°	268.8
35°	189.8
37.5°	120.1
40°	71.5
42.5°	44.9
45°	30.4
47.5°	19.6
50°	10.8
52.5°	5.1
55°	3.7
57.5°	3.3
60°	2.8
62.5°	2.8
65°	2.3
67.5°	1.9
70°	1.9
72.5°	1.4
75°	1.4
77.5°	0.9
80°	0.9
82.5°	0.5
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)