

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: P1256674

Luminaire Tested: P3AS05R459040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R459040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

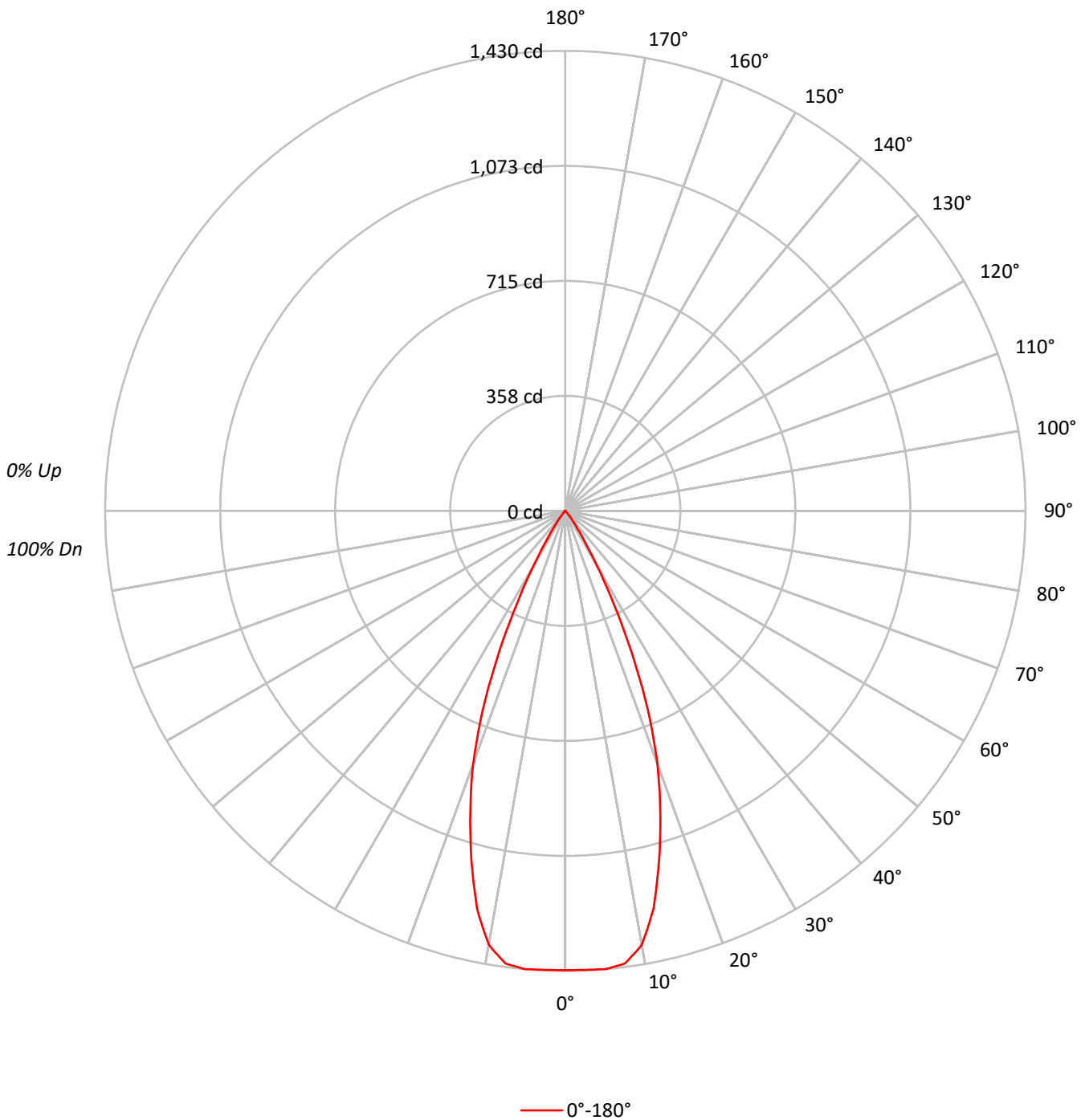
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
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: P1256674
CATALOG NUMBER: P3AS05R459040DE010 E3CD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1256674

CATALOG NUMBER: P3AS05R459040DE010 E3CD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313023
5°	314703
10°	305027
15°	255620
20°	195387
25°	118942
30°	49501
35°	15847
40°	4924
45°	992
50°	751
55°	841
60°	702
65°	830
70°	705
75°	932
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 992 cd/sqm



TEST NUMBER: P1256674
 CATALOG NUMBER: P3AS05R459040DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	18.7
10°-20°	309.5	42.9
20°-30°	222.8	30.9
30°-40°	46.4	6.4
40°-50°	4.2	0.6
50°-60°	1.8	0.2
60°-70°	1.4	0.2
70°-80°	0.9	0.1
80°-90°	0.2	0.0
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°	667.1	92.4
0°-40°	713.5	98.8
0°-60°	719.5	99.7
0°-90°	722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1428	
5°	1430	135
15°	1126	309
25°	492	223
35°	59	46
45°	3	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1256674
CATALOG NUMBER: P3AS05R459040DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1427.5
2.5°	1428.1
5°	1429.7
7.5°	1419.4
10°	1369.9
12.5°	1266.5
15°	1126.0
17.5°	982.2
20°	837.3
22.5°	670.9
25°	491.6
27.5°	324.2
30°	195.5
32.5°	109.3
35°	59.2
37.5°	33.4
40°	17.2
42.5°	7.5
45°	3.2
47.5°	2.2
50°	2.2
52.5°	2.2
55°	2.2
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)