

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: P1246208

Luminaire Tested: P3A05R509024DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R509024DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

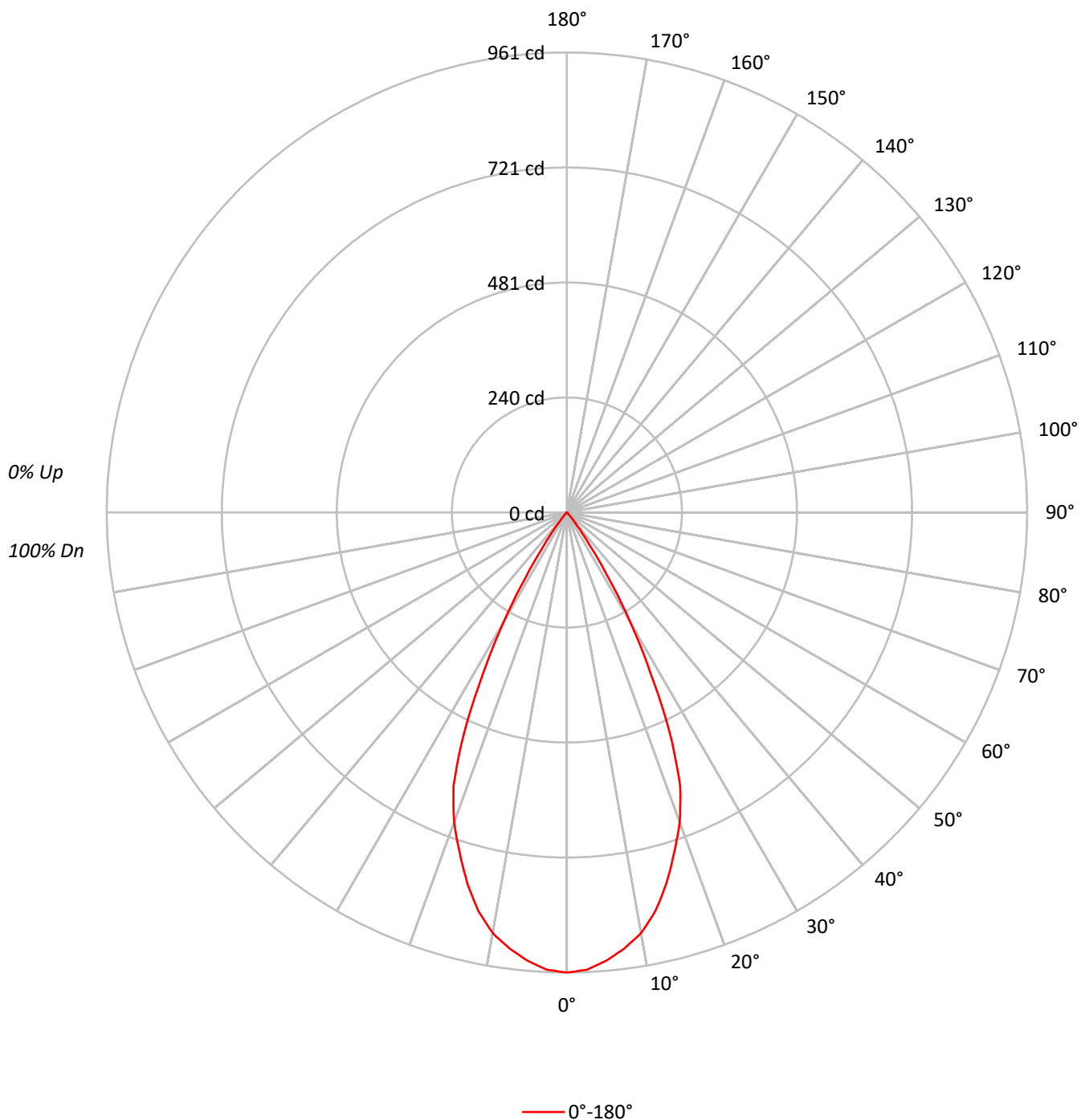
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246208

CATALOG NUMBER: P3A05R509024DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246208

CATALOG NUMBER: P3A05R509024DE010 E3CD1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210707
5°	206933
10°	198683
15°	182203
20°	160664
25°	123152
30°	66947
35°	21549
40°	5067
45°	682
50°	614
55°	688
60°	570
65°	675
70°	577
75°	763
80°	505
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 1006 cd/sqm

TEST NUMBER: P1246208

CATALOG NUMBER: P3A05R509024DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	14.6
10°-20°	223.1	36.9
20°-30°	223.4	36.9
30°-40°	62.8	10.4
40°-50°	3.8	0.6
50°-60°	1.4	0.2
60°-70°	1.1	0.2
70°-80°	0.8	0.1
80°-90°	0.3	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°	534.7	88.4
0°-40°	597.6	98.8
0°-60°	602.8	99.6
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	961	
5°	940	88
15°	803	223
25°	509	223
35°	80	63
45°	2	4
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1246208

CATALOG NUMBER: P3A05R509024DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	960.9
2.5°	956.0
5°	940.1
7.5°	918.4
10°	892.3
12.5°	853.0
15°	802.6
17.5°	744.7
20°	688.5
22.5°	618.6
25°	509.0
27.5°	379.0
30°	264.4
32.5°	159.6
35°	80.5
37.5°	38.0
40°	17.7
42.5°	6.6
45°	2.2
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)