

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: P1247720

Luminaire Tested: P3A20R509024D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247720
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: P3A20R509024D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

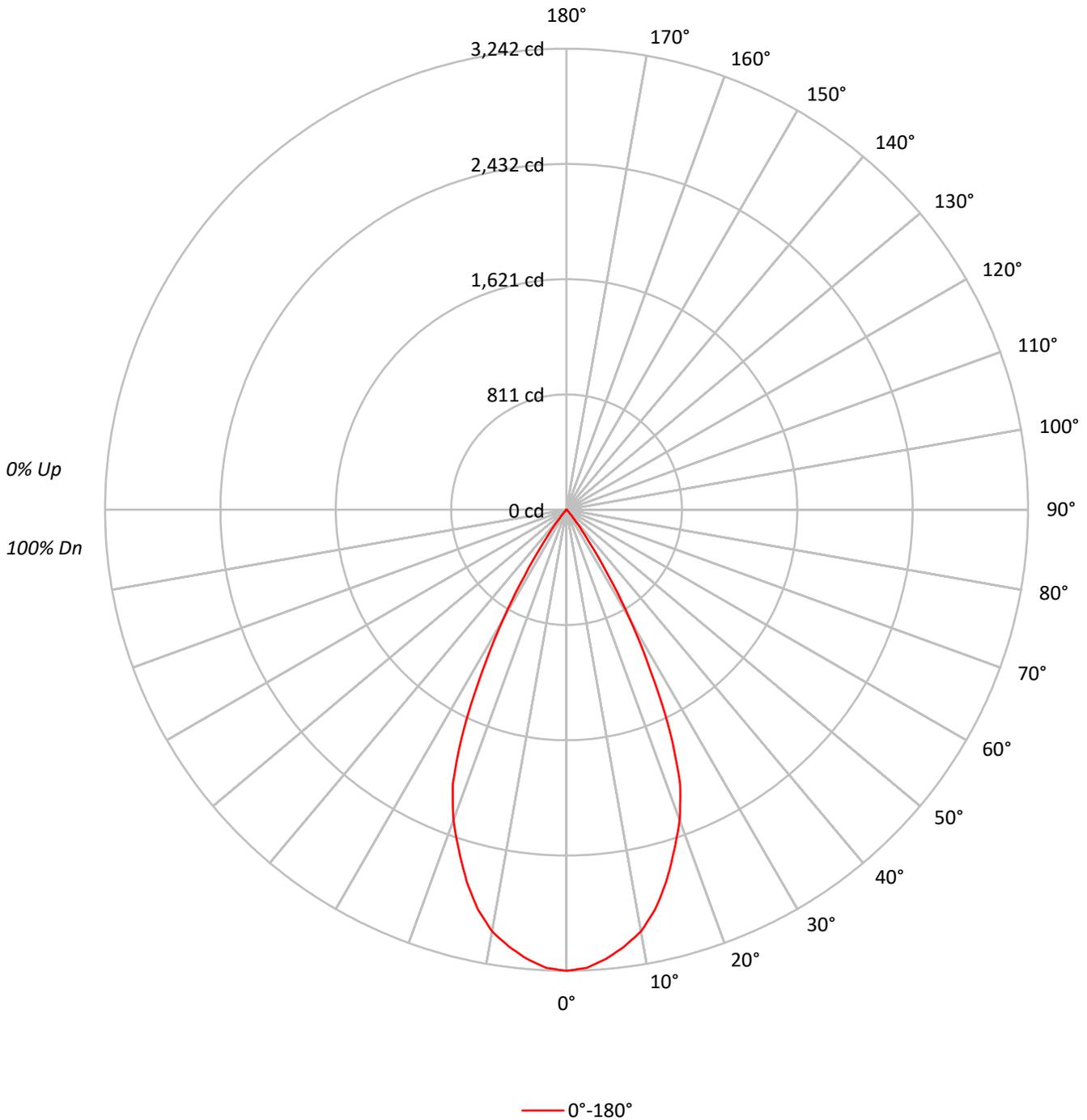
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2041.1 lumens
Efficiency: N/A
Efficacy: 70.9 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): 28.8
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				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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	710820
5°	698105
10°	670306
15°	614646
20°	542010
25°	415427
30°	225883
35°	72678
40°	17089
45°	2326
50°	2047
55°	2294
60°	1974
65°	2335
70°	1923
75°	2542
80°	1894
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 3774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.6	14.6
10°-20°	752.6	36.9
20°-30°	753.7	36.9
30°-40°	211.9	10.4
40°-50°	12.8	0.6
50°-60°	4.9	0.2
60°-70°	3.9	0.2
70°-80°	2.6	0.1
80°-90°	1.0	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°	1804.0	88.4
0°-40°	2015.9	98.8
0°-60°	2033.6	99.6
0°-90°	2041.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3242	
5°	3172	298
15°	2708	753
25°	1717	754
35°	272	212
45°	8	13
55°	6	5
65°	4	4
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3241.6
2.5°	3225.2
5°	3171.5
7.5°	3098.4
10°	3010.4
12.5°	2877.6
15°	2707.5
17.5°	2512.1
20°	2322.7
22.5°	2087.0
25°	1717.0
27.5°	1278.4
30°	892.1
32.5°	538.5
35°	271.5
37.5°	128.3
40°	59.7
42.5°	22.4
45°	7.5
47.5°	6.0
50°	6.0
52.5°	6.0
55°	6.0
57.5°	4.5
60°	4.5
62.5°	4.5
65°	4.5
67.5°	3.0
70°	3.0
72.5°	3.0
75°	3.0
77.5°	1.5
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)