

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: P1247743

Luminaire Tested: P3A20R509024D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509024D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

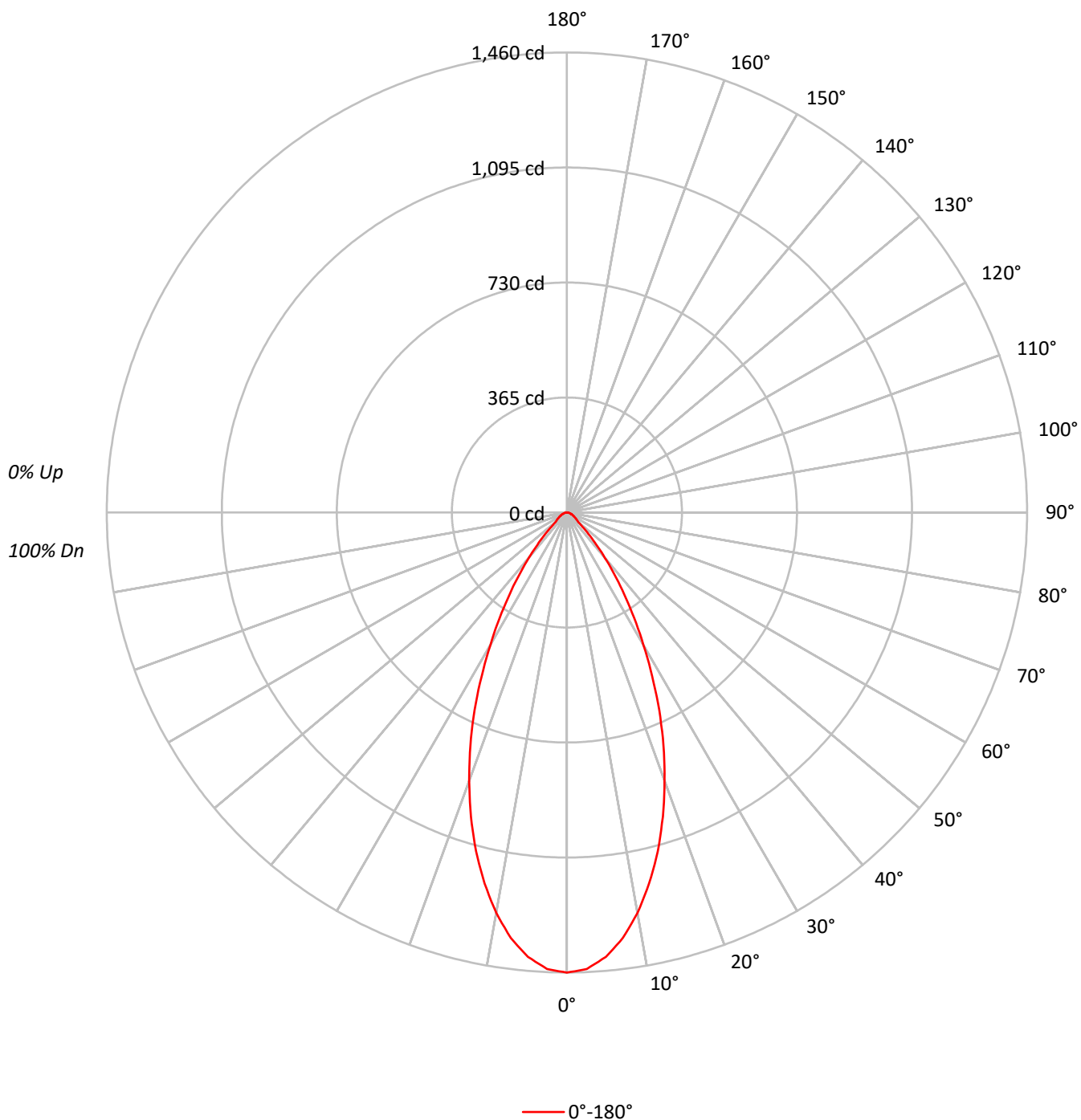
Lumens per Lamp: N/A
Luminaire Lumens: 1101.1 lumens
Efficiency: N/A
Efficacy: 38.2 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1247743

CATALOG NUMBER: P3A20R509024D010 E3DLP1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1247743

CATALOG NUMBER: P3A20R509024D010 E3DLP1WMH

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	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320216
5°	311599
10°	287347
15°	252692
20°	211418
25°	167647
30°	123006
35°	84564
40°	53758
45°	30050
50°	16272
55°	13686
60°	11753
65°	10844
70°	9553
75°	8811
80°	7577
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30050 cd/sqm

TEST NUMBER: P1247743

CATALOG NUMBER: P3A20R509024D010 E3DLP1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	11.9
10°-20°	308.3	28.0
20°-30°	315.3	28.6
30°-40°	200.0	18.2
40°-50°	79.6	7.2
50°-60°	32.3	2.9
60°-70°	20.6	1.9
70°-80°	10.6	1.0
80°-90°	3.3	0.3
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°	754.8	68.5
0°-40°	954.7	86.7
0°-60°	1066.6	96.9
0°-90°	1101.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1460	
5°	1416	131
15°	1113	308
25°	693	315
35°	316	200
45°	97	80
55°	36	32
65°	21	21
75°	10	11
85°	3	3
90°	0	

TEST NUMBER: P1247743

CATALOG NUMBER: P3A20R509024D010 E3DLP1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1460.3
2.5°	1449.9
5°	1415.6
7.5°	1362.0
10°	1290.5
12.5°	1205.5
15°	1113.1
17.5°	1011.8
20°	906.0
22.5°	800.2
25°	692.9
27.5°	585.6
30°	485.8
32.5°	396.4
35°	315.9
37.5°	247.4
40°	187.8
42.5°	138.6
45°	96.9
47.5°	65.6
50°	47.7
52.5°	40.2
55°	35.8
57.5°	31.3
60°	26.8
62.5°	23.8
65°	20.9
67.5°	17.9
70°	14.9
72.5°	11.9
75°	10.4
77.5°	7.5
80°	6.0
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)