

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: P1247770

Luminaire Tested: P3A20R559024D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559024D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

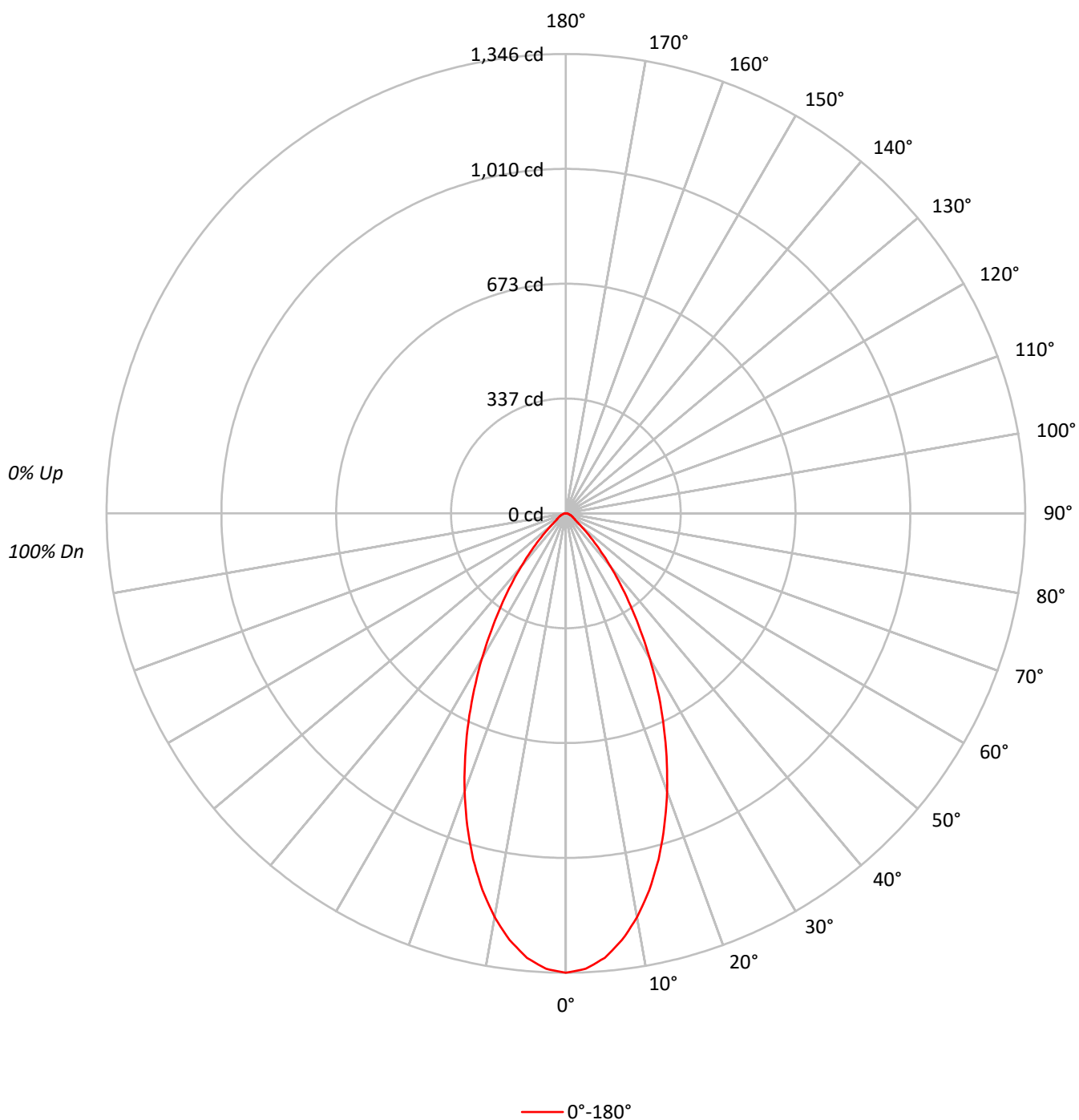
Lumens per Lamp: N/A
Luminaire Lumens: 1085.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247770

CATALOG NUMBER: P3A20R559024D010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1247770

CATALOG NUMBER: P3A20R559024D010 E3DLP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		92
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		67
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295152
5°	287761
10°	267508
15°	238231
20°	202434
25°	163364
30°	124551
35°	88579
40°	58452
45°	34670
50°	20332
55°	12540
60°	11096
65°	10066
70°	8591
75°	7540
80°	7577
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34670 cd/sqm

TEST NUMBER: P1247770

CATALOG NUMBER: P3A20R559024D010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	11.2
10°-20°	290.9	26.8
20°-30°	308.1	28.4
30°-40°	208.2	19.2
40°-50°	91.3	8.4
50°-60°	32.7	3.0
60°-70°	19.2	1.8
70°-80°	10.0	0.9
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°	720.4	66.4
0°-40°	928.6	85.6
0°-60°	1052.5	97.0
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1346	
5°	1307	121
15°	1049	291
25°	675	308
35°	331	208
45°	112	91
55°	33	33
65°	19	19
75°	9	10
85°	3	3
90°	0	

TEST NUMBER: P1247770

CATALOG NUMBER: P3A20R559024D010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1346.0
2.5°	1335.6
5°	1307.3
7.5°	1261.0
10°	1201.4
12.5°	1129.9
15°	1049.4
17.5°	959.9
20°	867.5
22.5°	770.6
25°	675.2
27.5°	581.3
30°	491.9
32.5°	406.9
35°	330.9
37.5°	262.3
40°	204.2
42.5°	153.5
45°	111.8
47.5°	82.0
50°	59.6
52.5°	41.7
55°	32.8
57.5°	29.8
60°	25.3
62.5°	22.4
65°	19.4
67.5°	16.4
70°	13.4
72.5°	11.9
75°	8.9
77.5°	7.5
80°	6.0
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)