

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: P1265702

Luminaire Tested: P3A20R159730D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159730D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

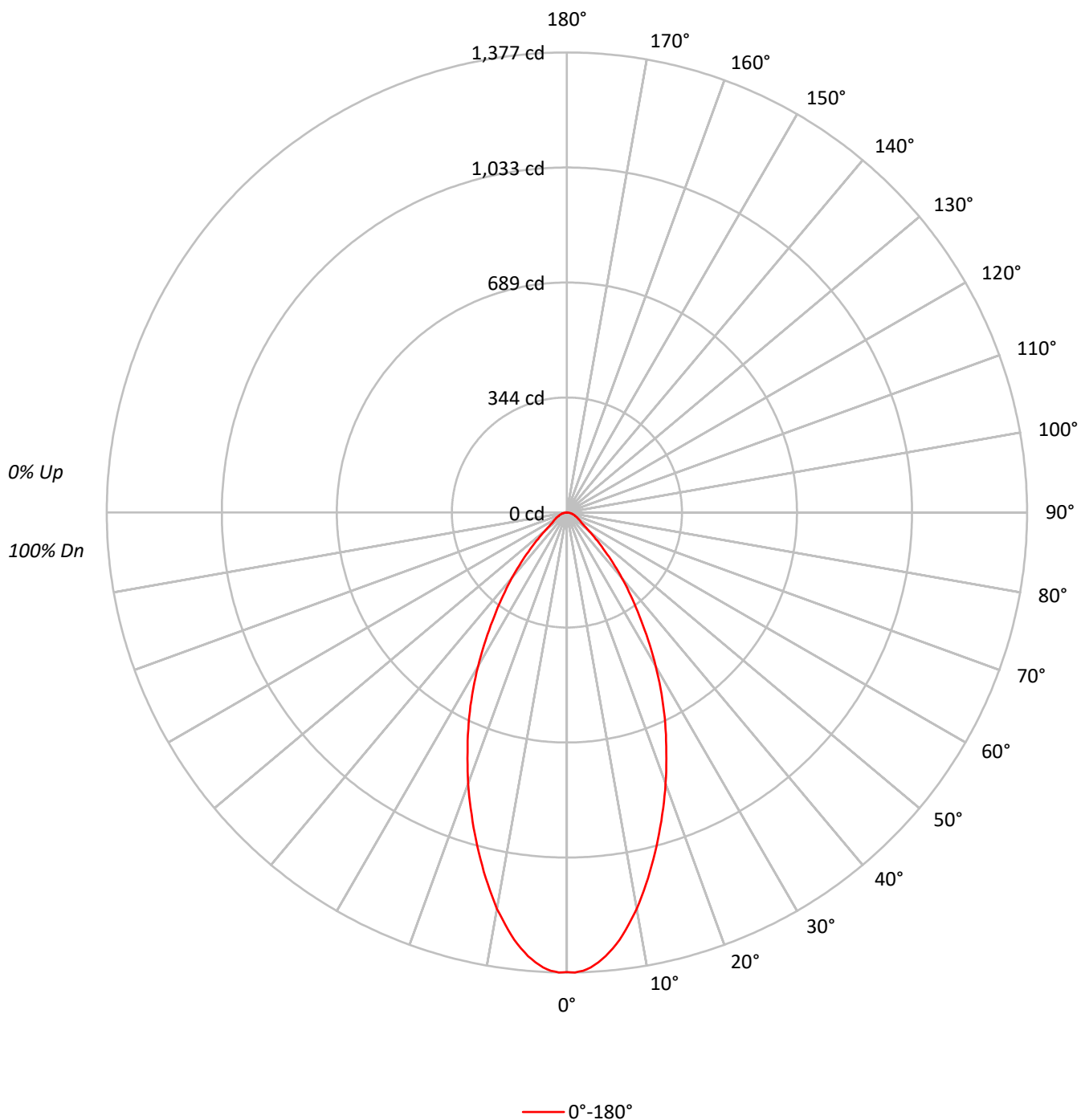
Lumens per Lamp: N/A
Luminaire Lumens: 1196.0 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1265702

CATALOG NUMBER: P3A20R159730D010 E3DLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1265702

CATALOG NUMBER: P3A20R159730D010 E3DLD1MW

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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	109	106	104		110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92		104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	93	87	83		98	91	86	82		89	84	81		86	82	79		84	81	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	73	68		87	79	73	68		77	72	67		75	71	67		74	69	66
6	84	74	68	63		83	73	67	63		72	66	62		70	66	62		69	65	61
7	80	69	63	58		78	69	63	58		67	62	58		66	61	57		65	61	57
8	76	65	59	54		74	65	58	54		63	58	54		62	57	54		61	57	53
9	72	61	55	51		71	61	55	51		60	54	50		59	54	50		58	53	50
10	68	58	52	48		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301686
5°	293484
10°	268198
15°	234916
20°	201524
25°	168276
30°	134654
35°	101000
40°	73309
45°	47912
50°	29986
55°	20262
60°	17937
65°	16500
70°	15515
75°	14149
80°	13386
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 47912 cd/sqm

TEST NUMBER: P1265702

CATALOG NUMBER: P3A20R159730D010 E3DLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	10.3
10°-20°	288.3	24.1
20°-30°	317.7	26.6
30°-40°	237.9	19.9
40°-50°	123.3	10.3
50°-60°	51.1	4.3
60°-70°	31.7	2.6
70°-80°	17.8	1.5
80°-90°	5.1	0.4
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°	729.1	61.0
0°-40°	967.0	80.9
0°-60°	1141.4	95.4
0°-90°	1196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1376	
5°	1333	123
15°	1035	288
25°	696	318
35°	377	238
45°	154	123
55°	53	51
65°	32	32
75°	17	18
85°	4	5
90°	0	

TEST NUMBER: P1265702

CATALOG NUMBER: P3A20R159730D010 E3DLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1375.8
1°	1377.3
2°	1372.7
3°	1363.6
4°	1350.0
5°	1333.3
6°	1312.1
7°	1289.4
8°	1262.1
9°	1233.3
10°	1204.5
12.5°	1121.2
15°	1034.8
17.5°	948.5
20°	863.6
22.5°	777.3
25°	695.5
27.5°	613.6
30°	531.8
32.5°	451.5
35°	377.3
37.5°	313.6
40°	256.1
42.5°	203.0
45°	154.5
47.5°	116.7
50°	87.9
52.5°	65.2
55°	53.0
57.5°	47.0
60°	40.9
62.5°	36.4
65°	31.8
67.5°	27.3
70°	24.2
72.5°	19.7
75°	16.7
77.5°	13.6
80°	10.6
82.5°	7.6
85°	4.5
87.5°	1.5
90°	0.0

(END OF REPORT)