

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: P1263321

Luminaire Tested: P3A20R159727D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263321
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: P3A20R159727D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

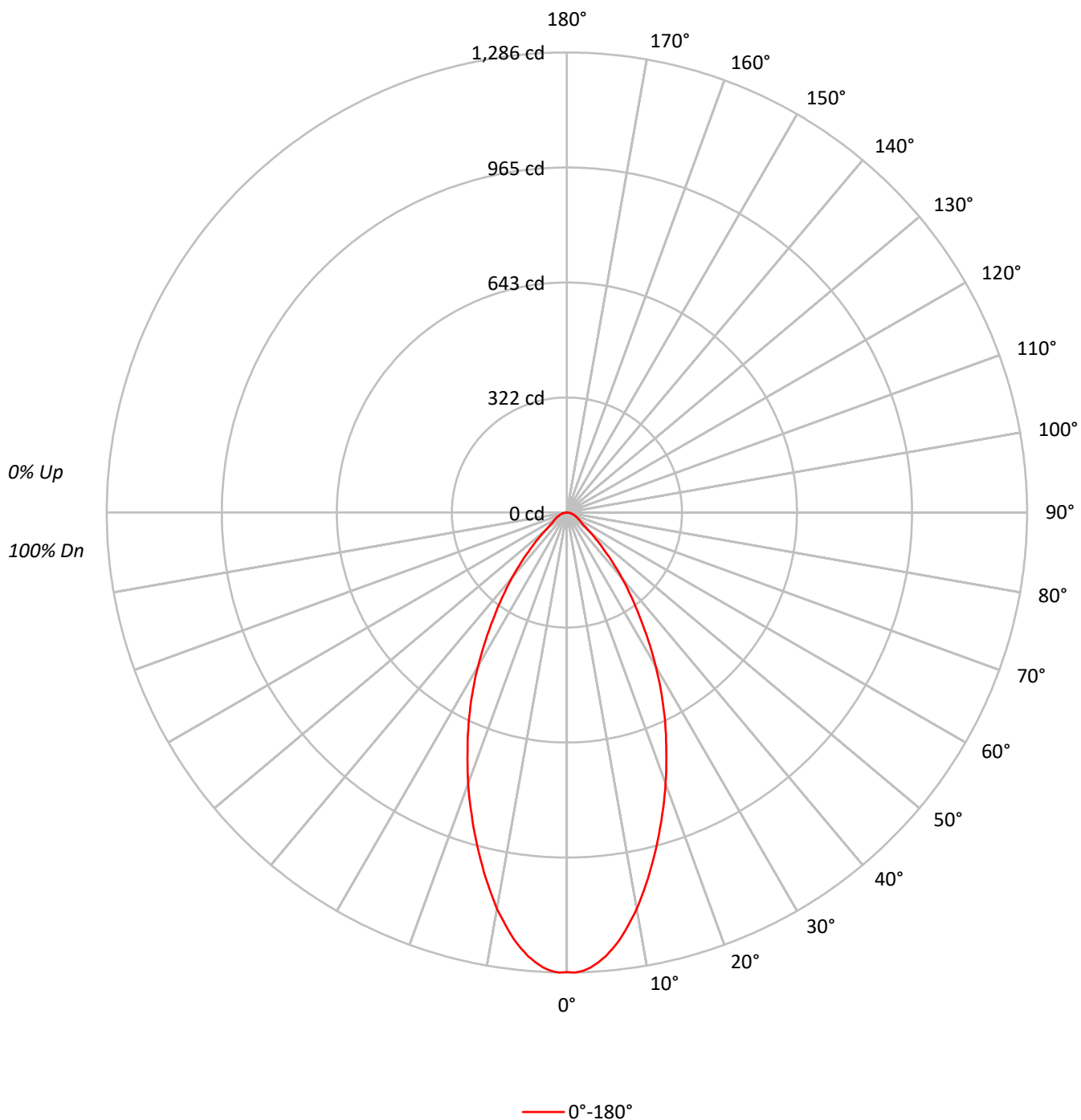
Lumens per Lamp: N/A
Luminaire Lumens: 1117.0 lumens
Efficiency: N/A
Efficacy: 38.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263321

CATALOG NUMBER: P3A20R159727D010 E3DLD1H

Luminous Intensity Polar Plot



TEST NUMBER: P1263321

CATALOG NUMBER: P3A20R159727D010 E3DLD1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281754
5°	274113
10°	250496
15°	219411
20°	188223
25°	157146
30°	125766
35°	94335
40°	68443
45°	44749
50°	28008
55°	18924
60°	16753
65°	15410
70°	14490
75°	13217
80°	12502
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44749 cd/sqm

TEST NUMBER: P1263321

CATALOG NUMBER: P3A20R159727D010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	10.3
10°-20°	269.3	24.1
20°-30°	296.7	26.6
30°-40°	222.2	19.9
40°-50°	115.2	10.3
50°-60°	47.7	4.3
60°-70°	29.6	2.6
70°-80°	16.6	1.5
80°-90°	4.8	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°	680.9	61.0
0°-40°	903.1	80.9
0°-60°	1066.0	95.4
0°-90°	1117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1245	115
15°	966	269
25°	650	297
35°	352	222
45°	144	115
55°	50	48
65°	30	30
75°	16	17
85°	4	5
90°	0	

TEST NUMBER: P1263321

CATALOG NUMBER: P3A20R159727D010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1284.9
1°	1286.3
2°	1282.0
3°	1273.6
4°	1260.8
5°	1245.3
6°	1225.4
7°	1204.2
8°	1178.7
9°	1151.9
10°	1125.0
12.5°	1047.1
15°	966.5
17.5°	885.8
20°	806.6
22.5°	725.9
25°	649.5
27.5°	573.1
30°	496.7
32.5°	421.7
35°	352.4
37.5°	292.9
40°	239.1
42.5°	189.6
45°	144.3
47.5°	109.0
50°	82.1
52.5°	60.8
55°	49.5
57.5°	43.9
60°	38.2
62.5°	34.0
65°	29.7
67.5°	25.5
70°	22.6
72.5°	18.4
75°	15.6
77.5°	12.7
80°	9.9
82.5°	7.1
85°	4.2
87.5°	1.4
90°	0.0

(END OF REPORT)