

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: P1270490

Luminaire Tested: P3A20R209740D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209740D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

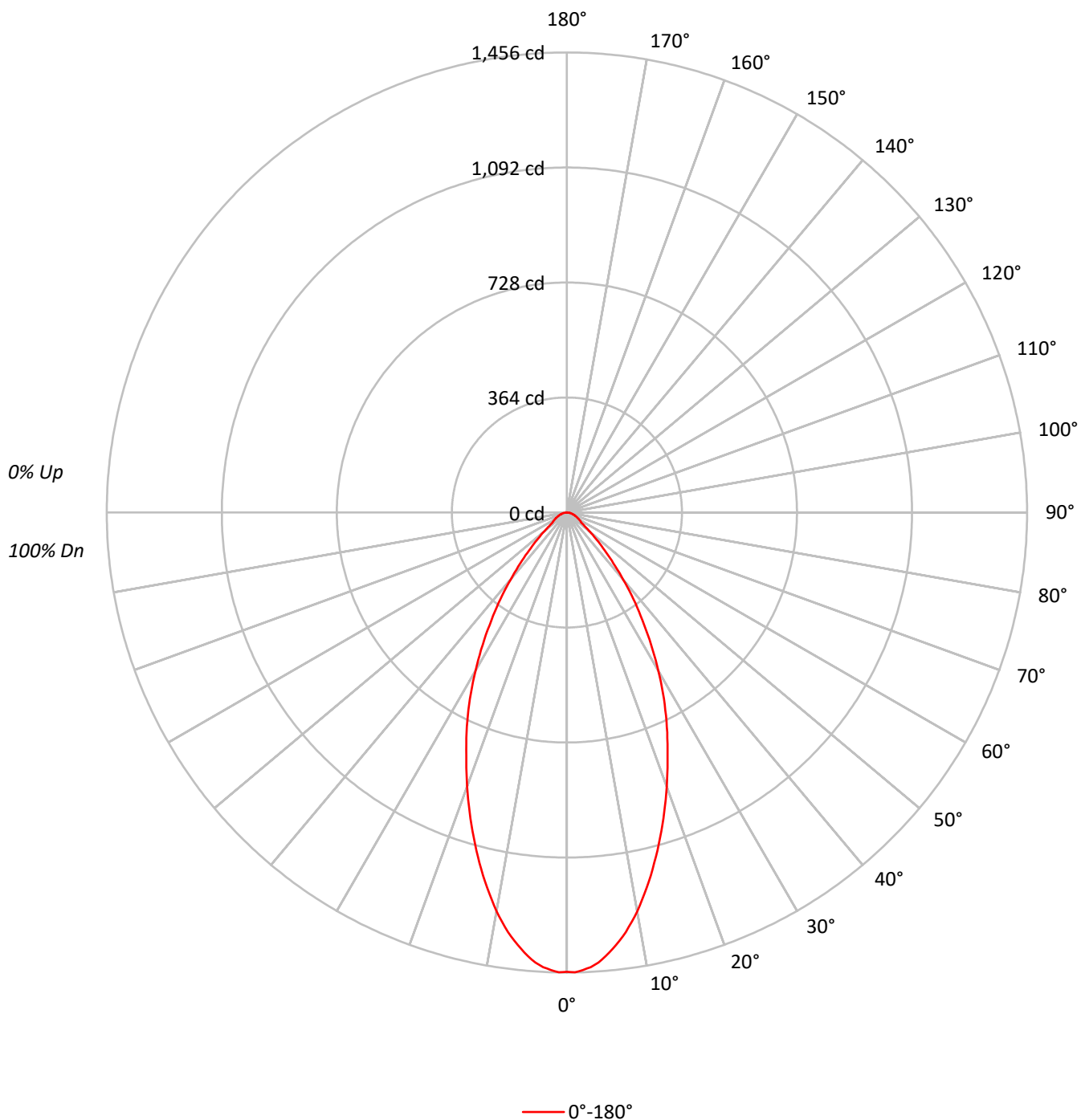
Lumens per Lamp: N/A
Luminaire Lumens: 1289.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270490

CATALOG NUMBER: P3A20R209740D010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1270490

CATALOG NUMBER: P3A20R209740D010 E3DLD1LI

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	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		90
3	100	93	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65
8	75	65	59	54	74	64	58	54	63	58	54		62	57	53		61
9	72	61	55	50	70	61	55	50	60	54	50		59	54	50		58
10	68	58	51	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	318834
5°	310323
10°	285477
15°	251284
20°	215502
25°	181051
30°	146352
35°	111333
40°	79206
45°	52316
50°	32408
55°	21294
60°	19384
65°	17849
70°	16798
75°	15250
80°	14522
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52316 cd/sqm

TEST NUMBER: P1270490

CATALOG NUMBER: P3A20R209740D010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	10.1
10°-20°	308.2	23.9
20°-30°	342.0	26.5
30°-40°	260.9	20.2
40°-50°	133.6	10.4
50°-60°	54.9	4.3
60°-70°	34.2	2.7
70°-80°	19.2	1.5
80°-90°	5.6	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°	780.6	60.6
0°-40°	1041.5	80.8
0°-60°	1230.0	95.4
0°-90°	1289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1454	
5°	1410	130
15°	1107	308
25°	748	342
35°	416	261
45°	169	134
55°	56	55
65°	34	34
75°	18	19
85°	5	6
90°	0	

TEST NUMBER: P1270490

CATALOG NUMBER: P3A20R209740D010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1454.0
1°	1455.6
2°	1449.1
3°	1440.9
4°	1427.8
5°	1409.8
6°	1388.5
7°	1365.6
8°	1341.0
9°	1311.6
10°	1282.1
12.5°	1196.9
15°	1106.9
17.5°	1015.2
20°	923.5
22.5°	831.8
25°	748.3
27.5°	664.8
30°	578.0
32.5°	496.1
35°	415.9
37.5°	345.5
40°	276.7
42.5°	217.8
45°	168.7
47.5°	127.7
50°	95.0
52.5°	70.4
55°	55.7
57.5°	50.8
60°	44.2
62.5°	39.3
65°	34.4
67.5°	29.5
70°	26.2
72.5°	21.3
75°	18.0
77.5°	14.7
80°	11.5
82.5°	8.2
85°	4.9
87.5°	1.6
90°	0.0

(END OF REPORT)