

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: P1270628

Luminaire Tested: P3A20R459740D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459740D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

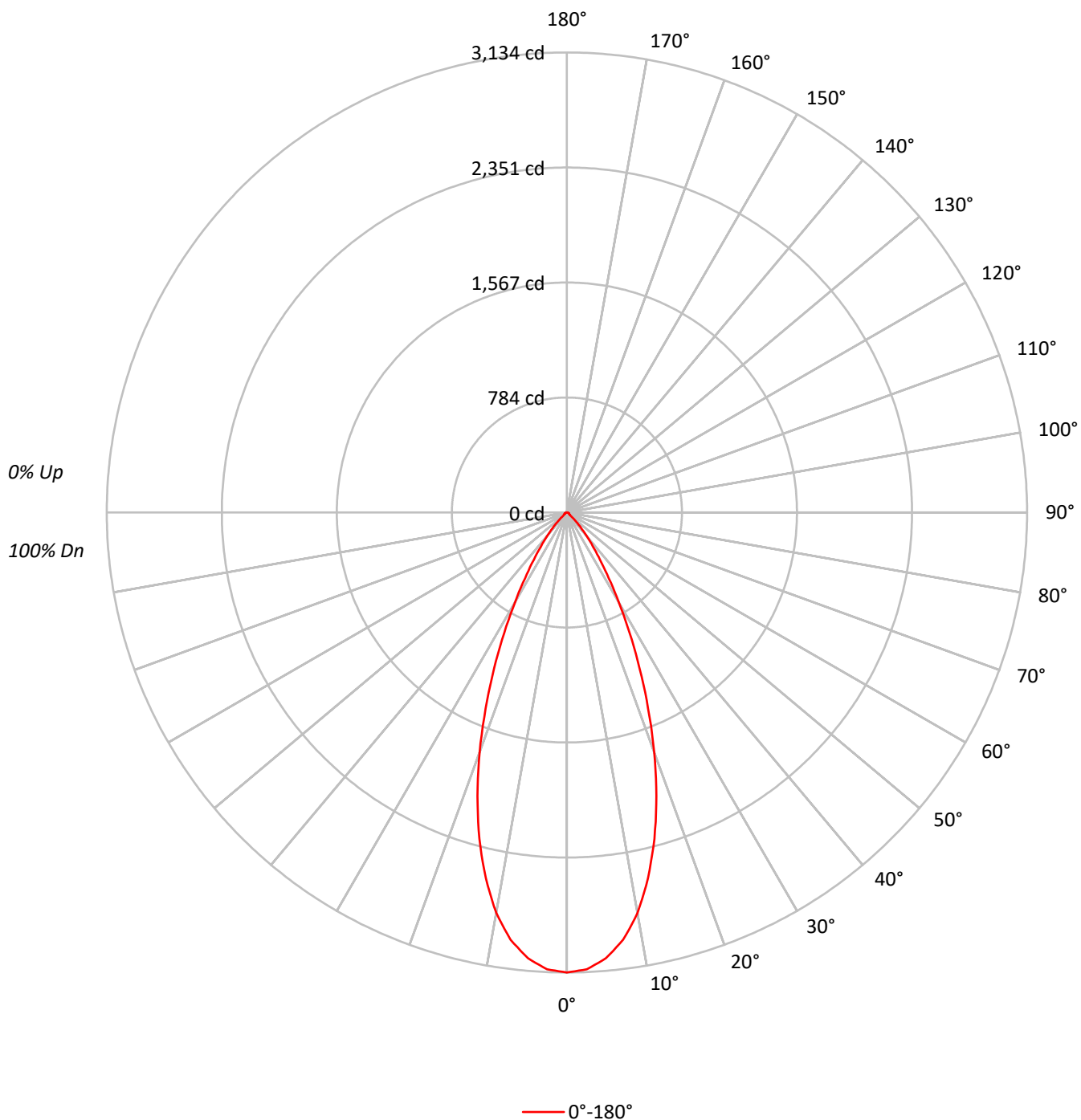
Lumens per Lamp: N/A
Luminaire Lumens: 1830.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270628

CATALOG NUMBER: P3A20R459740D010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1270628

CATALOG NUMBER: P3A20R459740D010 E3DL1LI

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	687226
5°	671119
10°	616934
15°	522727
20°	405569
25°	283516
30°	178610
35°	105150
40°	59483
45°	28933
50°	10064
55°	8143
60°	7894
65°	7627
70°	7373
75°	6947
80°	6188
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28933 cd/sqm

TEST NUMBER: P1270628

CATALOG NUMBER: P3A20R459740D010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	15.4
10°-20°	632.3	34.6
20°-30°	536.9	29.3
30°-40°	256.1	14.0
40°-50°	77.2	4.2
50°-60°	19.6	1.1
60°-70°	14.6	0.8
70°-80°	8.6	0.5
80°-90°	2.4	0.1
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°	1451.5	79.3
0°-40°	1707.6	93.3
0°-60°	1804.3	98.6
0°-90°	1830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3134	
5°	3049	282
15°	2303	632
25°	1172	537
35°	393	256
45°	93	77
55°	21	20
65°	15	15
75°	8	9
85°	2	2
90°	0	

TEST NUMBER: P1270628

CATALOG NUMBER: P3A20R459740D010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3134.0
2.5°	3114.4
5°	3048.9
7.5°	2936.0
10°	2770.7
12.5°	2551.4
15°	2302.6
17.5°	2026.1
20°	1738.0
22.5°	1445.1
25°	1171.8
27.5°	923.0
30°	705.4
32.5°	530.2
35°	392.8
37.5°	289.7
40°	207.8
42.5°	144.0
45°	93.3
47.5°	52.4
50°	29.5
52.5°	22.9
55°	21.3
57.5°	19.6
60°	18.0
62.5°	16.4
65°	14.7
67.5°	13.1
70°	11.5
72.5°	9.8
75°	8.2
77.5°	6.5
80°	4.9
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)