

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: P1263495

Luminaire Tested: P3A20R459727D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459727D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

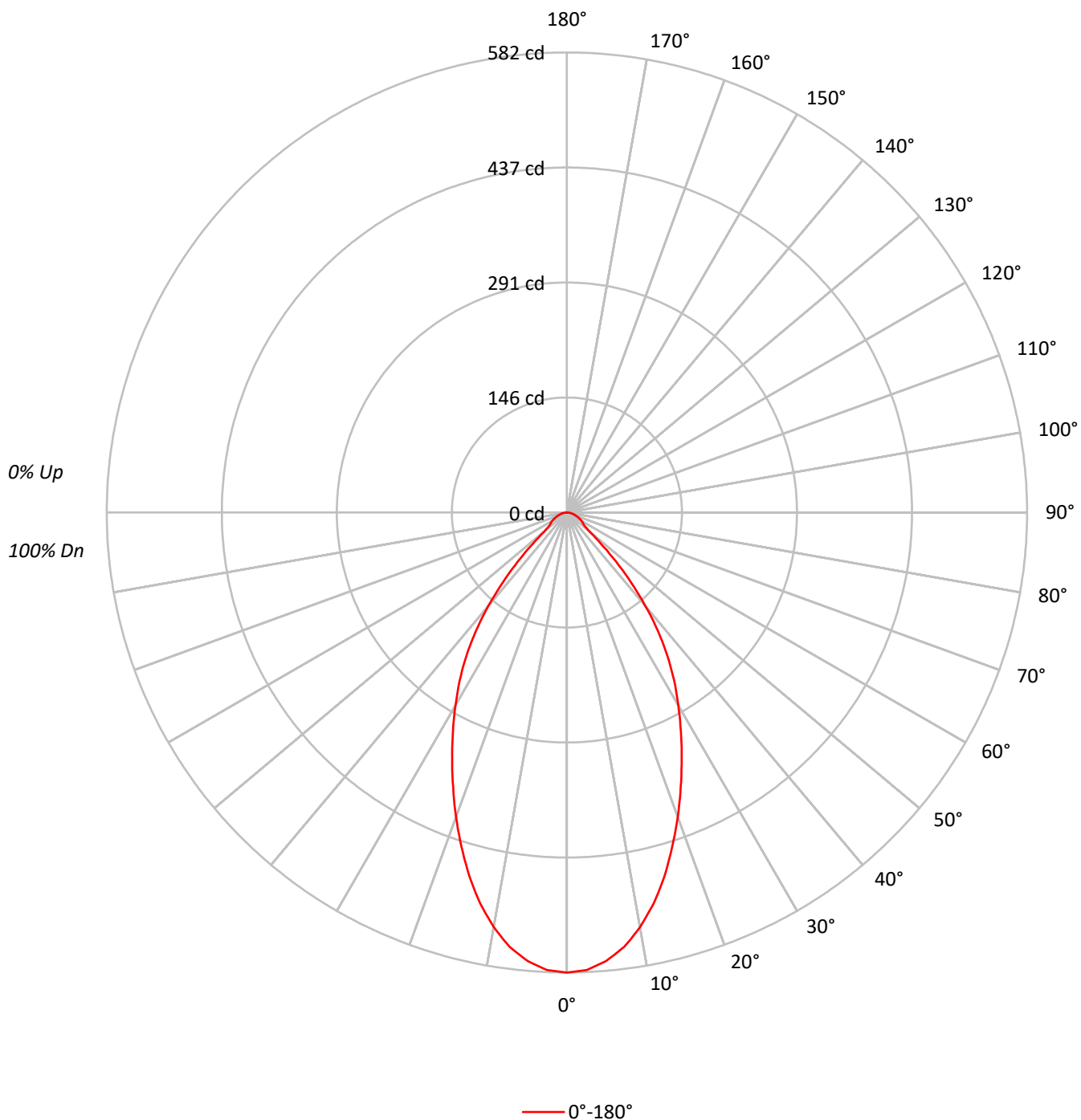
Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 20.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263495

CATALOG NUMBER: P3A20R459727D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1263495

CATALOG NUMBER: P3A20R459727D010 E3DLD1GPH

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127643
5°	125379
10°	118635
15°	108196
20°	95675
25°	83085
30°	71327
35°	59428
40°	44283
45°	27104
50°	12554
55°	9825
60°	9429
65°	8665
70°	8014
75°	7625
80°	7072
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27104 cd/sqm

TEST NUMBER: P1263495

CATALOG NUMBER: P3A20R459727D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	8.8
10°-20°	132.7	22.0
20°-30°	157.7	26.2
30°-40°	137.0	22.8
40°-50°	68.7	11.4
50°-60°	23.9	4.0
60°-70°	16.7	2.8
70°-80°	9.3	1.5
80°-90°	2.9	0.5
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°	343.6	57.1
0°-40°	480.6	79.8
0°-60°	573.1	95.2
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	570	53
15°	477	133
25°	343	158
35°	222	137
45°	87	69
55°	26	24
65°	17	17
75°	9	9
85°	2	3
90°	0	

TEST NUMBER: P1263495

CATALOG NUMBER: P3A20R459727D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	582.1
2.5°	579.3
5°	569.6
7.5°	554.3
10°	532.8
12.5°	506.5
15°	476.6
17.5°	443.3
20°	410.0
22.5°	376.0
25°	343.4
27.5°	312.2
30°	281.7
32.5°	252.5
35°	222.0
37.5°	189.4
40°	154.7
42.5°	120.7
45°	87.4
47.5°	57.6
50°	36.8
52.5°	28.4
55°	25.7
57.5°	23.6
60°	21.5
62.5°	19.4
65°	16.7
67.5°	14.6
70°	12.5
72.5°	10.4
75°	9.0
77.5°	6.9
80°	5.6
82.5°	4.2
85°	2.1
87.5°	1.4
90°	0.0

(END OF REPORT)