

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: P1263470

Luminaire Tested: P3A20R409727D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409727D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

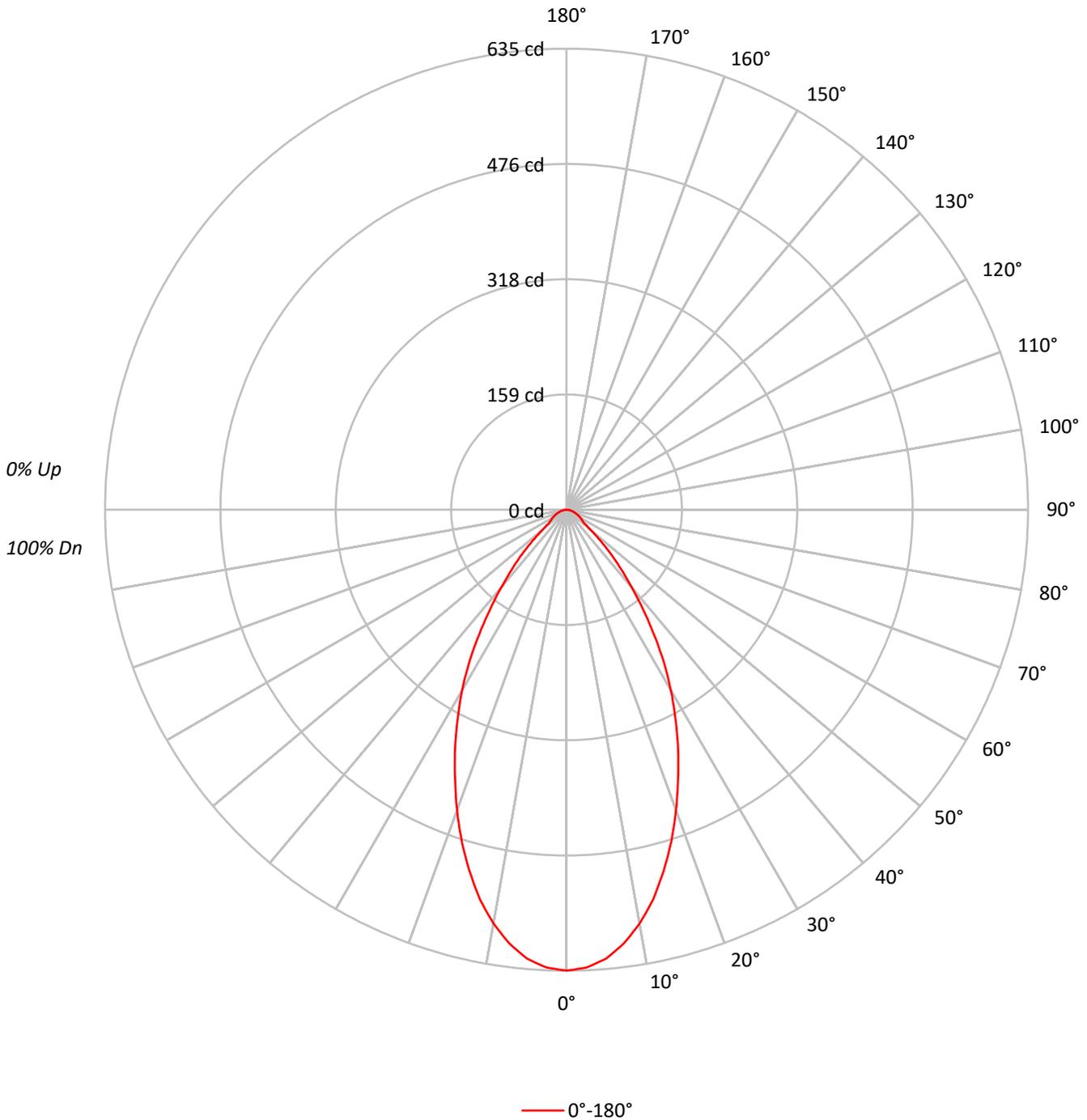
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
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: P1263470
CATALOG NUMBER: P3A20R409727D010 E3DLD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1263470

CATALOG NUMBER: P3A20R409727D010 E3DLD1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69			69
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55			55
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51			51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48			48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139177
5°	136649
10°	128811
15°	117004
20°	102792
25°	87779
30°	72720
35°	56082
40°	39903
45°	26887
50°	14669
55°	10360
60°	9736
65°	8976
70°	8014
75°	7625
80°	6188
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26887 cd/sqm



TEST NUMBER: P1263470
 CATALOG NUMBER: P3A20R409727D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	9.3
10°-20°	143.6	23.2
20°-30°	166.0	26.8
30°-40°	130.8	21.1
40°-50°	67.1	10.8
50°-60°	25.7	4.1
60°-70°	17.0	2.7
70°-80°	9.2	1.5
80°-90°	2.8	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°	367.4	59.3
0°-40°	498.2	80.4
0°-60°	591.0	95.3
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	635	
5°	621	58
15°	515	144
25°	363	166
35°	210	131
45°	87	67
55°	27	26
65°	17	17
75°	9	9
85°	2	3
90°	0	



TEST NUMBER: P1263470
CATALOG NUMBER: P3A20R409727D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	634.7
2.5°	631.2
5°	620.8
7.5°	602.8
10°	578.5
12.5°	550.1
15°	515.4
17.5°	479.3
20°	440.5
22.5°	400.9
25°	362.8
27.5°	324.6
30°	287.2
32.5°	249.0
35°	209.5
37.5°	172.7
40°	139.4
42.5°	111.0
45°	86.7
47.5°	63.1
50°	43.0
52.5°	31.2
55°	27.1
57.5°	24.3
60°	22.2
62.5°	19.4
65°	17.3
67.5°	14.6
70°	12.5
72.5°	10.4
75°	9.0
77.5°	6.9
80°	4.9
82.5°	4.2
85°	2.1
87.5°	1.4
90°	0.0

(END OF REPORT)