

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: SHAPER

Report Number: P701760

Luminaire Tested: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P701760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFF  
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

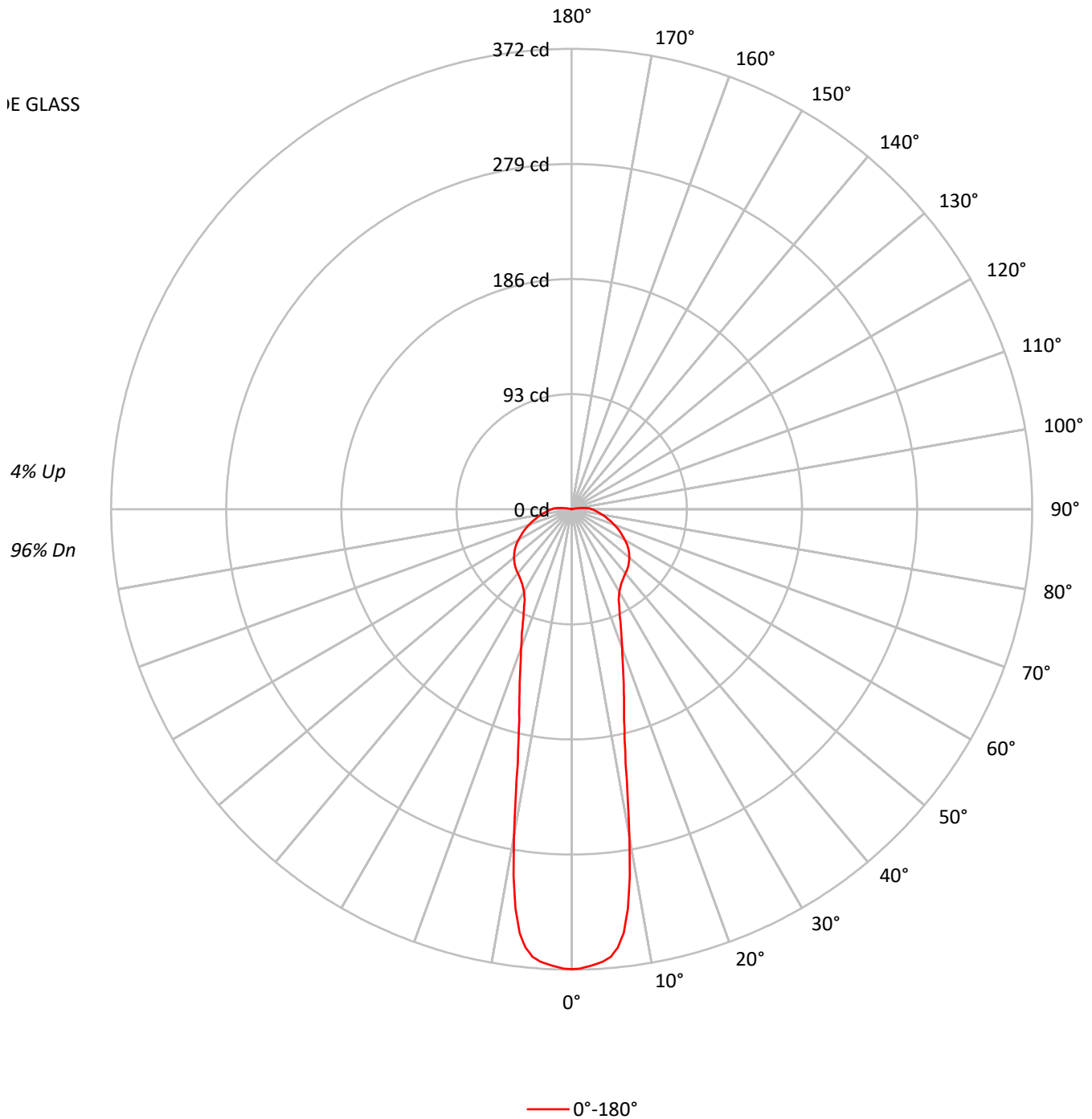
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 376.8 lumens  
Efficiency: N/A  
Efficacy: 52.3 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.34' x H: 0.46')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): 120  
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

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### Luminous Intensity Polar Plot



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**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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	101	96	92	103	98	94	90	94	90	87	89	86	83	85	82	80	78
2	97	88	81	75	94	86	79	74	82	76	72	78	73	69	74	71	67	65
3	89	78	70	63	86	76	69	62	73	66	61	69	64	59	66	62	58	55
4	82	70	61	54	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	76	63	54	48	74	62	54	47	59	52	47	57	51	46	55	49	45	43
6	71	58	49	43	69	57	48	42	54	47	42	52	46	41	51	45	40	38
7	66	53	45	39	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	62	49	41	35	60	48	41	35	47	40	35	45	39	34	44	38	34	32
9	59	46	38	33	57	45	38	32	44	37	32	42	36	32	41	36	31	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43099
5°	36787
10°	24337
15°	13486
20°	9094
25°	6536
30°	5201
35°	4593
40°	4221
45°	3934
50°	3629
55°	3301
60°	2920
65°	2561
70°	2185
75°	1845
80°	1559
85°	1330

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3934 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	8.5
10°-20°	46.8	12.4
20°-30°	42.8	11.4
30°-40°	44.8	11.9
40°-50°	49.9	13.2
50°-60°	49.8	13.2
60°-70°	42.7	11.3
70°-80°	32.3	8.6
80°-90°	22.3	5.9
90°-100°	11.8	3.1
100°-110°	1.6	0.4
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°	121.6	32.3
0°-40°	166.4	44.2
0°-60°	266.0	70.6
0°-90°	363.3	96.4
90°-120°	13.5	3.6
90°-150°	13.5	3.6
90°-180°	13.0	3.5
0°-180°	376.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	372	
5°	363	32
15°	163	47
25°	92	43
35°	71	45
45°	65	50
55°	56	50
65°	43	43
75°	30	32
85°	20	18
90°	16	9
95°	11	8
105°	1	2
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	371.6
1°	371.2
2°	369.7
3°	368.2
4°	366.3
5°	362.9
6°	356.1
7°	344.9
8°	325.9
9°	300.1
10°	268.5
11°	236.4
12°	209.7
13°	190.2
14°	175.1
15°	163.4
16°	152.7
17°	143.0
18°	134.3
19°	126.0
20°	119.2
21°	112.9
22°	107.0
23°	101.2
24°	95.8
25°	91.5
27.5°	82.2
30°	76.9
32.5°	73.5
35°	71.0
37.5°	69.1
40°	67.6
42.5°	66.2
45°	64.7
47.5°	62.8
50°	60.8
52.5°	58.4
55°	55.9
57.5°	53.0
60°	49.6
62.5°	46.2
65°	43.3
67.5°	39.9
70°	36.5
72.5°	33.6

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**CANDELA DISTRIBUTION (continued):**

	0°
75°	30.2
77.5°	27.7
80°	24.8
82.5°	22.4
85°	20.4
87.5°	18.5
90°	16.1
92.5°	14.6
95°	11.2
97.5°	7.3
100°	4.4
102.5°	2.4
105°	1.0
107.5°	0.5
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)