

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: P702404

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

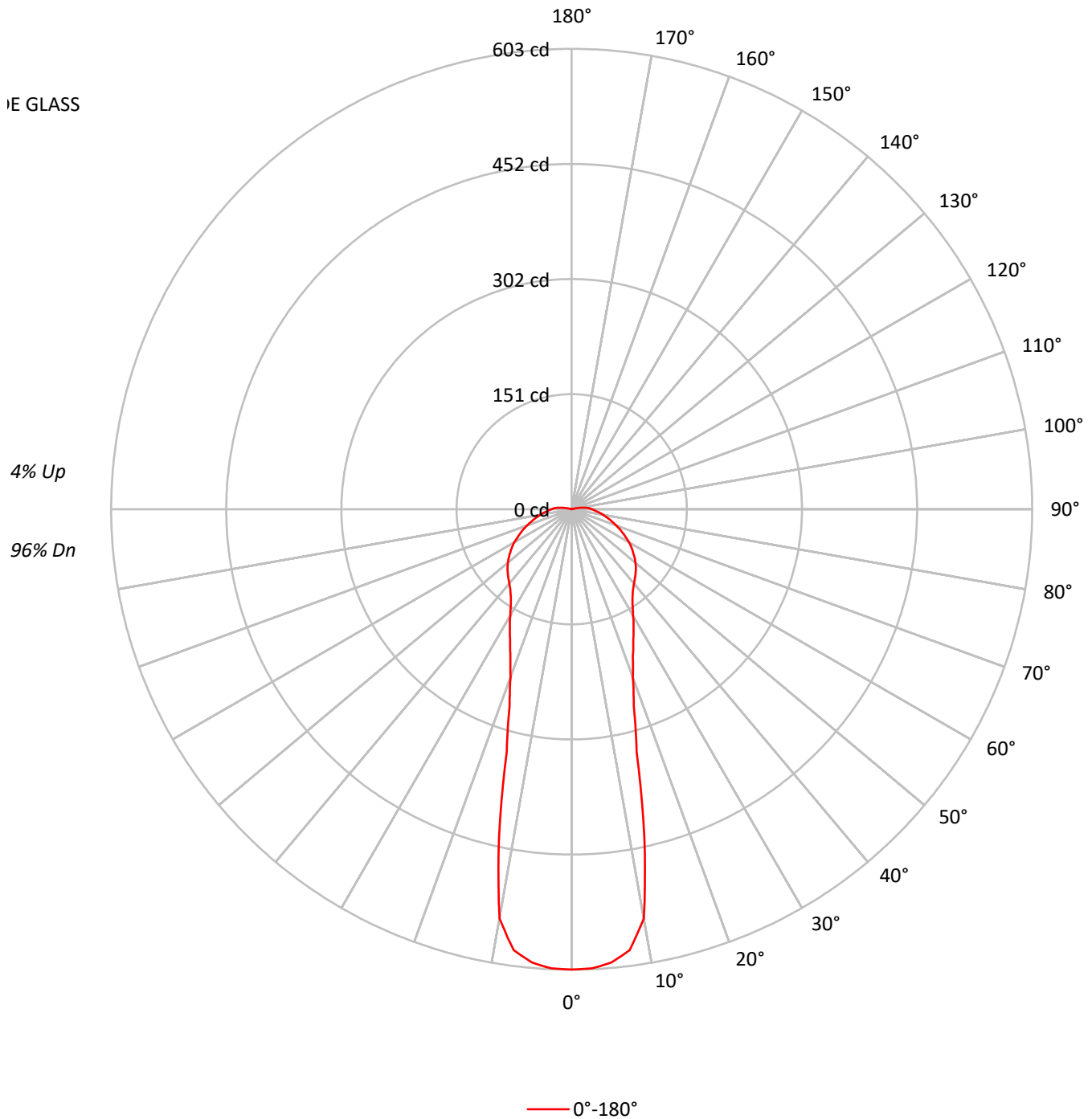
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 697.7 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
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	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

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

	0°
0°	39327
5°	34881
10°	29073
15°	16266
20°	10871
25°	8400
30°	6790
35°	5662
40°	5047
45°	4625
50°	4221
55°	3785
60°	3375
65°	2921
70°	2505
75°	2120
80°	1798
85°	1502

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4625 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.4	7.9
10°-20°	96.5	13.8
20°-30°	88.5	12.7
30°-40°	88.0	12.6
40°-50°	91.4	13.1
50°-60°	87.8	12.6
60°-70°	73.5	10.5
70°-80°	54.2	7.8
80°-90°	36.7	5.3
90°-100°	21.2	3.0
100°-110°	4.4	0.6
110°-120°	0.1	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°	240.4	34.5
0°-40°	328.4	47.1
0°-60°	507.6	72.7
0°-90°	671.9	96.3
90°-120°	25.8	3.7
90°-150°	25.8	3.7
90°-180°	26.0	3.7
0°-180°	697.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	603	
5°	596	55
15°	329	96
25°	191	88
35°	139	88
45°	118	91
55°	98	88
65°	74	73
75°	51	54
85°	33	29
90°	26	15
95°	20	14
105°	3	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	602.8
2.5°	602.0
5°	596.0
7.5°	582.4
10°	544.1
12.5°	439.3
15°	328.6
17.5°	269.9
20°	234.1
22.5°	209.4
25°	190.7
27.5°	175.4
30°	160.9
32.5°	148.1
35°	138.8
37.5°	132.0
40°	126.9
42.5°	122.6
45°	118.3
47.5°	114.1
50°	109.0
52.5°	103.9
55°	97.9
57.5°	92.8
60°	86.8
62.5°	80.0
65°	74.1
67.5°	68.1
70°	62.2
72.5°	56.2
75°	51.1
77.5°	46.0
80°	41.7
82.5°	37.5
85°	33.2
87.5°	29.8
90°	26.4
92.5°	23.8
95°	20.4
97.5°	15.3
100°	10.2
102.5°	6.0
105°	3.4
107.5°	1.7
110°	0.9

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**CANDELA DISTRIBUTION (continued):**

	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)