

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: P702383

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9030-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702383  
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-1020-9030-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

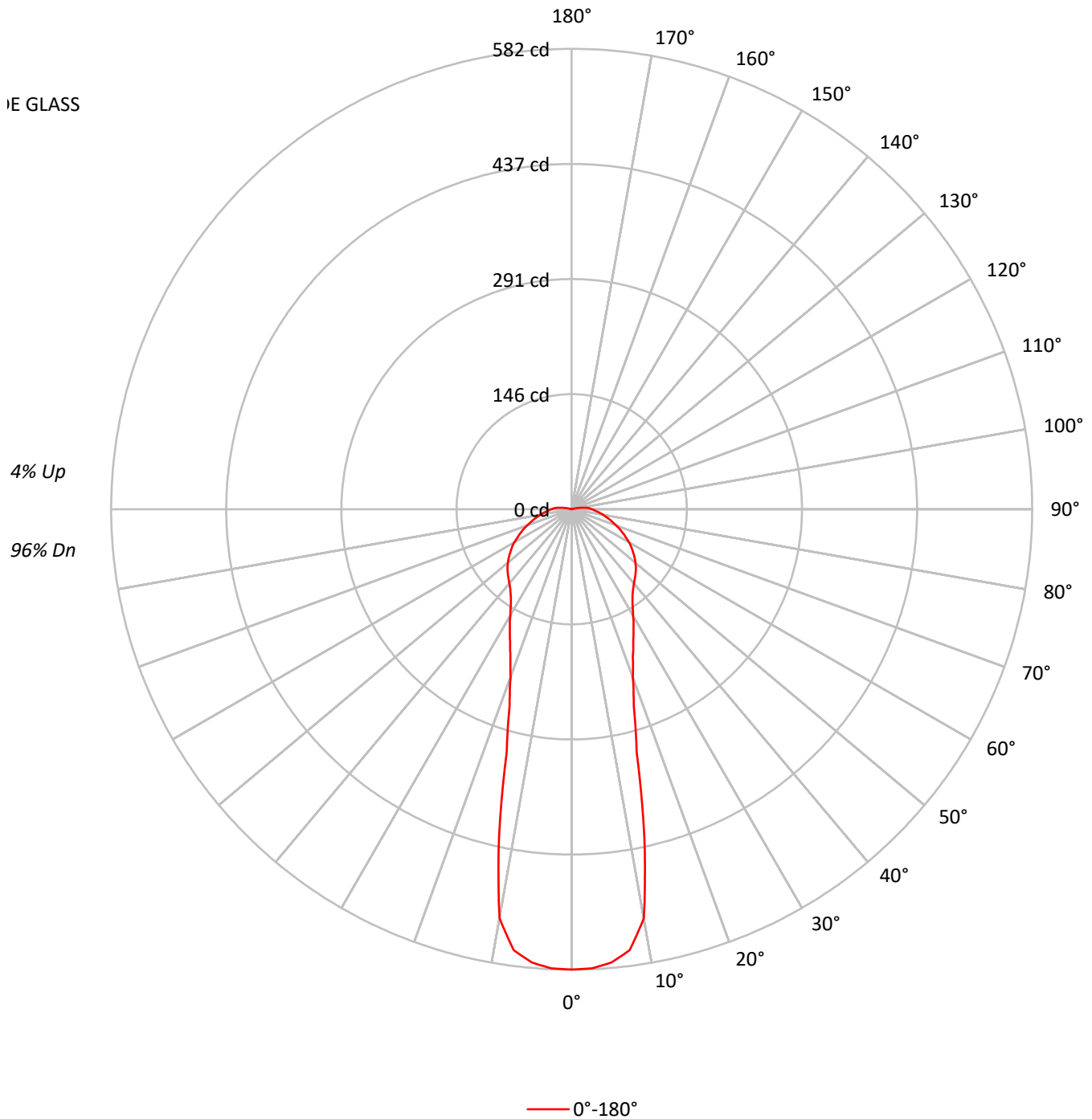
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.4 lumens  
Efficiency: N/A  
Efficacy: 68.7 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°	37957
5°	33664
10°	28058
15°	15702
20°	10495
25°	8109
30°	6553
35°	5462
40°	4868
45°	4465
50°	4074
55°	3653
60°	3258
65°	2818
70°	2416
75°	2045
80°	1738
85°	1448

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4465 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.5	7.9
10°-20°	93.1	13.8
20°-30°	85.4	12.7
30°-40°	84.9	12.6
40°-50°	88.2	13.1
50°-60°	84.8	12.6
60°-70°	70.9	10.5
70°-80°	52.3	7.8
80°-90°	35.4	5.3
90°-100°	20.5	3.0
100°-110°	4.3	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°	232.0	34.5
0°-40°	316.9	47.1
0°-60°	489.9	72.7
0°-90°	648.5	96.3
90°-120°	24.9	3.7
90°-150°	24.9	3.7
90°-180°	25.0	3.7
0°-180°	673.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	582	
5°	575	53
15°	317	93
25°	184	85
35°	134	85
45°	114	88
55°	94	85
65°	72	71
75°	49	52
85°	32	28
90°	26	14
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°	581.8
2.5°	581.0
5°	575.2
7.5°	562.1
10°	525.1
12.5°	424.0
15°	317.2
17.5°	260.5
20°	226.0
22.5°	202.1
25°	184.1
27.5°	169.3
30°	155.3
32.5°	143.0
35°	133.9
37.5°	127.4
40°	122.4
42.5°	118.3
45°	114.2
47.5°	110.1
50°	105.2
52.5°	100.3
55°	94.5
57.5°	89.6
60°	83.8
62.5°	77.2
65°	71.5
67.5°	65.7
70°	60.0
72.5°	54.2
75°	49.3
77.5°	44.4
80°	40.3
82.5°	36.2
85°	32.0
87.5°	28.8
90°	25.5
92.5°	23.0
95°	19.7
97.5°	14.8
100°	9.9
102.5°	5.8
105°	3.3
107.5°	1.6
110°	0.8

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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)