

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: P702411

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9727-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702411  
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-1020-9727-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 2700K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

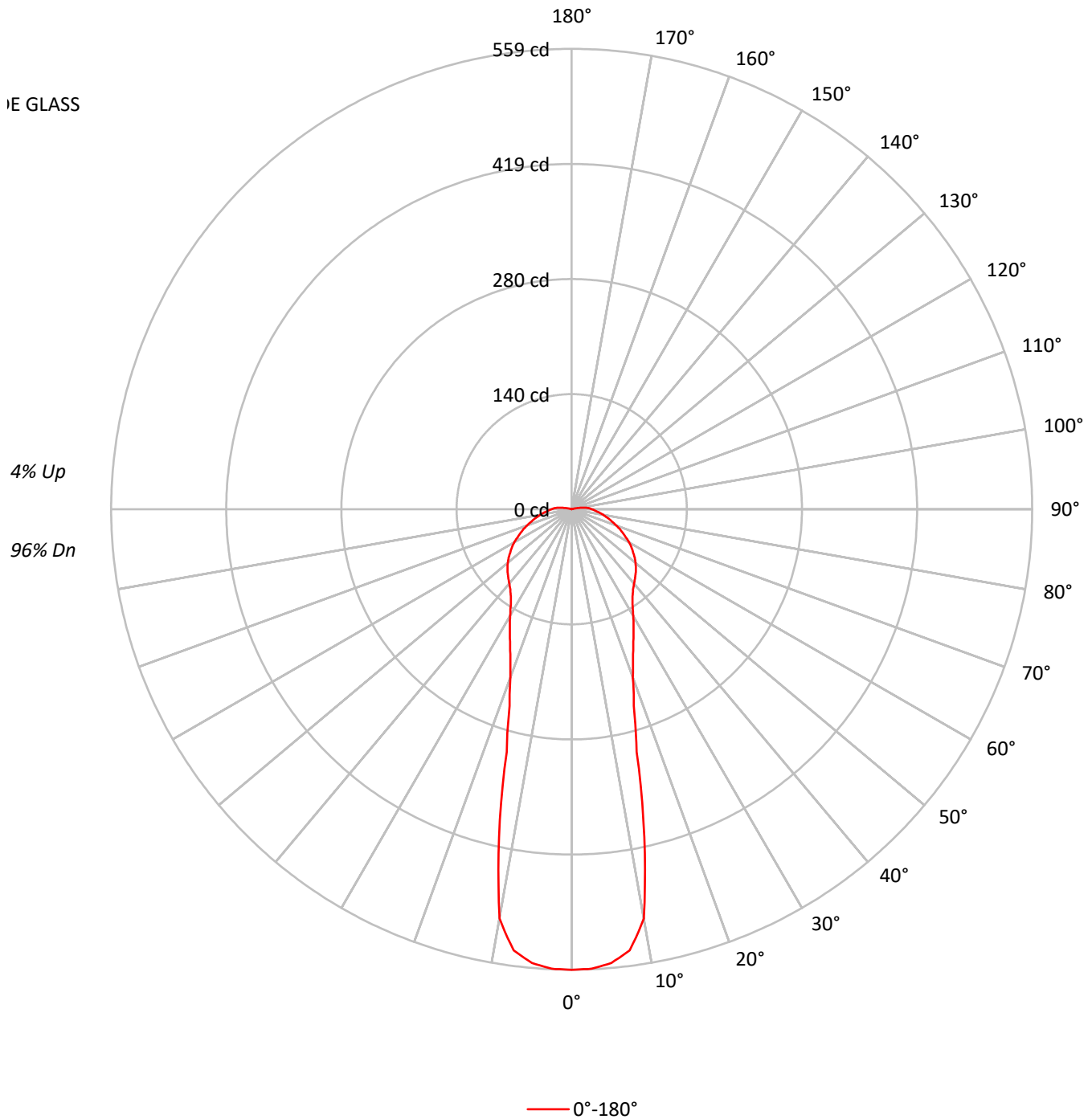
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 647.3 lumens  
Efficiency: N/A  
Efficacy: 66.1 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°	36483
5°	32359
10°	26968
15°	15093
20°	10087
25°	7792
30°	6300
35°	5250
40°	4681
45°	4293
50°	3915
55°	3510
60°	3134
65°	2708
70°	2324
75°	1967
80°	1669
85°	1393

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4293 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.4	7.9
10°-20°	89.5	13.8
20°-30°	82.1	12.7
30°-40°	81.6	12.6
40°-50°	84.8	13.1
50°-60°	81.5	12.6
60°-70°	68.2	10.5
70°-80°	50.3	7.8
80°-90°	34.0	5.3
90°-100°	19.7	3.0
100°-110°	4.1	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°	223.0	34.5
0°-40°	304.6	47.1
0°-60°	470.9	72.7
0°-90°	623.3	96.3
90°-120°	24.0	3.7
90°-150°	24.0	3.7
90°-180°	24.0	3.7
0°-180°	647.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	559	
5°	553	51
15°	305	90
25°	177	82
35°	129	82
45°	110	85
55°	91	81
65°	69	68
75°	47	50
85°	31	27
90°	24	14
95°	19	13
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°	559.2
2.5°	558.4
5°	552.9
7.5°	540.2
10°	504.7
12.5°	407.6
15°	304.9
17.5°	250.4
20°	217.2
22.5°	194.3
25°	176.9
27.5°	162.7
30°	149.3
32.5°	137.4
35°	128.7
37.5°	122.4
40°	117.7
42.5°	113.7
45°	109.8
47.5°	105.8
50°	101.1
52.5°	96.4
55°	90.8
57.5°	86.1
60°	80.6
62.5°	74.2
65°	68.7
67.5°	63.2
70°	57.7
72.5°	52.1
75°	47.4
77.5°	42.7
80°	38.7
82.5°	34.8
85°	30.8
87.5°	27.6
90°	24.5
92.5°	22.1
95°	19.0
97.5°	14.2
100°	9.5
102.5°	5.5
105°	3.2
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)