

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: P702266

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

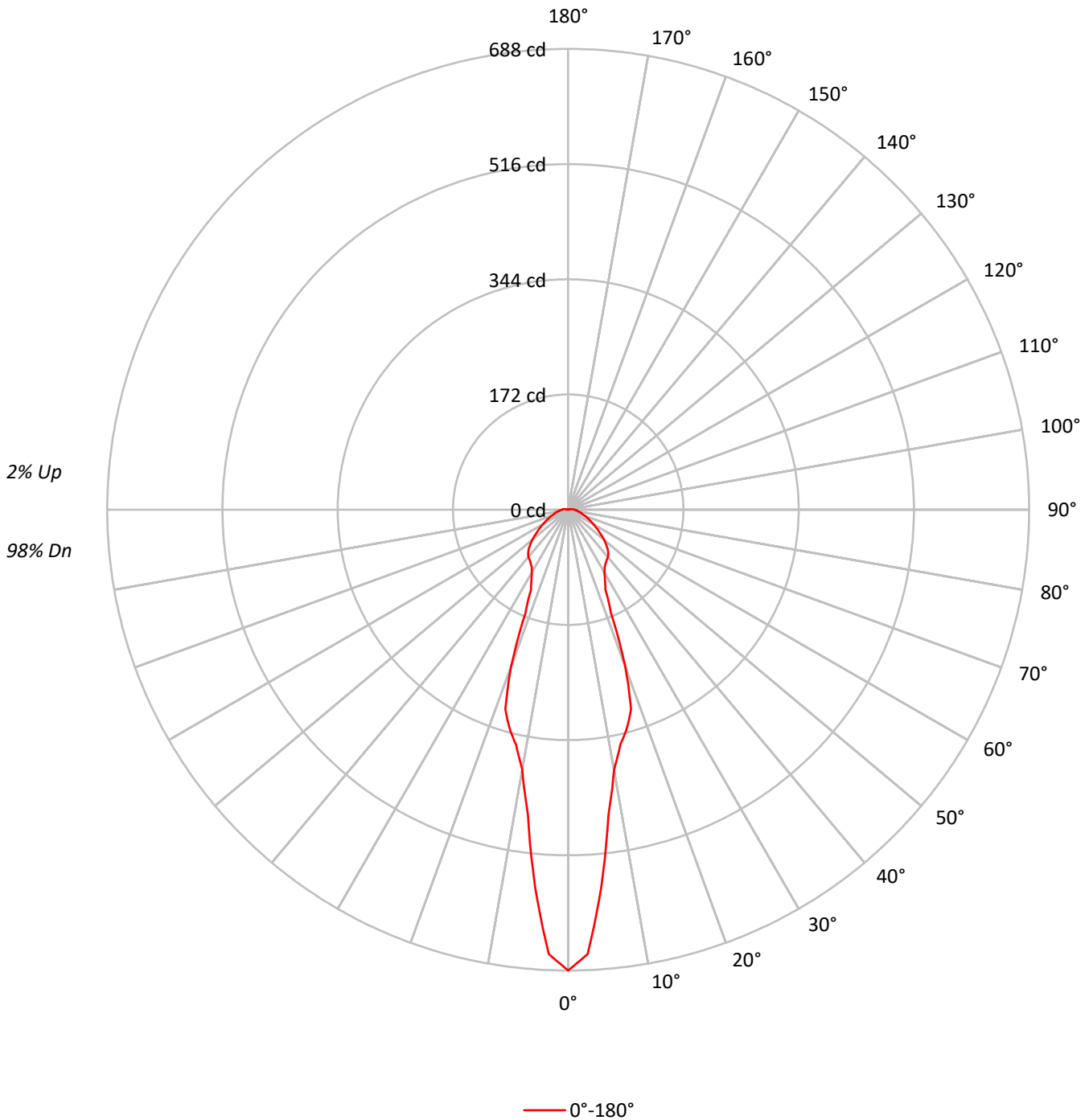
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 462.4 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98				
1	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84				
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74				
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65				
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59				
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53				
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49				
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45				
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42				
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39				
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36				

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

	0°
0°	44879
5°	33114
10°	21058
15°	16737
20°	11540
25°	5801
30°	4570
35°	3982
40°	3671
45°	3253
50°	2707
55°	2145
60°	1699
65°	1344
70°	1051
75°	842
80°	690
85°	556

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3253 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	10.4
10°-20°	92.5	20.0
20°-30°	67.2	14.5
30°-40°	61.6	13.3
40°-50°	63.6	13.7
50°-60°	50.0	10.8
60°-70°	34.0	7.3
70°-80°	21.7	4.7
80°-90°	13.5	2.9
90°-100°	7.8	1.7
100°-110°	2.3	0.5
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°	207.8	44.9
0°-40°	269.5	58.3
0°-60°	383.0	82.8
0°-90°	452.2	97.8
90°-120°	10.2	2.2
90°-150°	10.2	2.2
90°-180°	10.0	2.2
0°-180°	462.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	688	
5°	566	48
15°	338	93
25°	132	67
35°	98	62
45°	83	64
55°	56	50
65°	34	34
75°	20	22
85°	12	11
90°	9	5
95°	8	5
105°	2	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°	687.9
2.5°	663.9
5°	565.8
7.5°	459.7
10°	394.1
12.5°	359.4
15°	338.1
17.5°	312.0
20°	248.5
22.5°	166.4
25°	131.7
27.5°	118.4
30°	108.3
32.5°	101.3
35°	97.6
37.5°	94.4
40°	92.3
42.5°	88.5
45°	83.2
47.5°	76.8
50°	69.9
52.5°	62.4
55°	55.5
57.5°	49.1
60°	43.7
62.5°	38.4
65°	34.1
67.5°	29.9
70°	26.1
72.5°	22.9
75°	20.3
77.5°	18.1
80°	16.0
82.5°	13.9
85°	12.3
87.5°	10.7
90°	9.1
92.5°	8.5
95°	7.5
97.5°	5.9
100°	4.3
102.5°	3.2
105°	2.1
107.5°	1.1
110°	0.5

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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)