

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: P702358

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

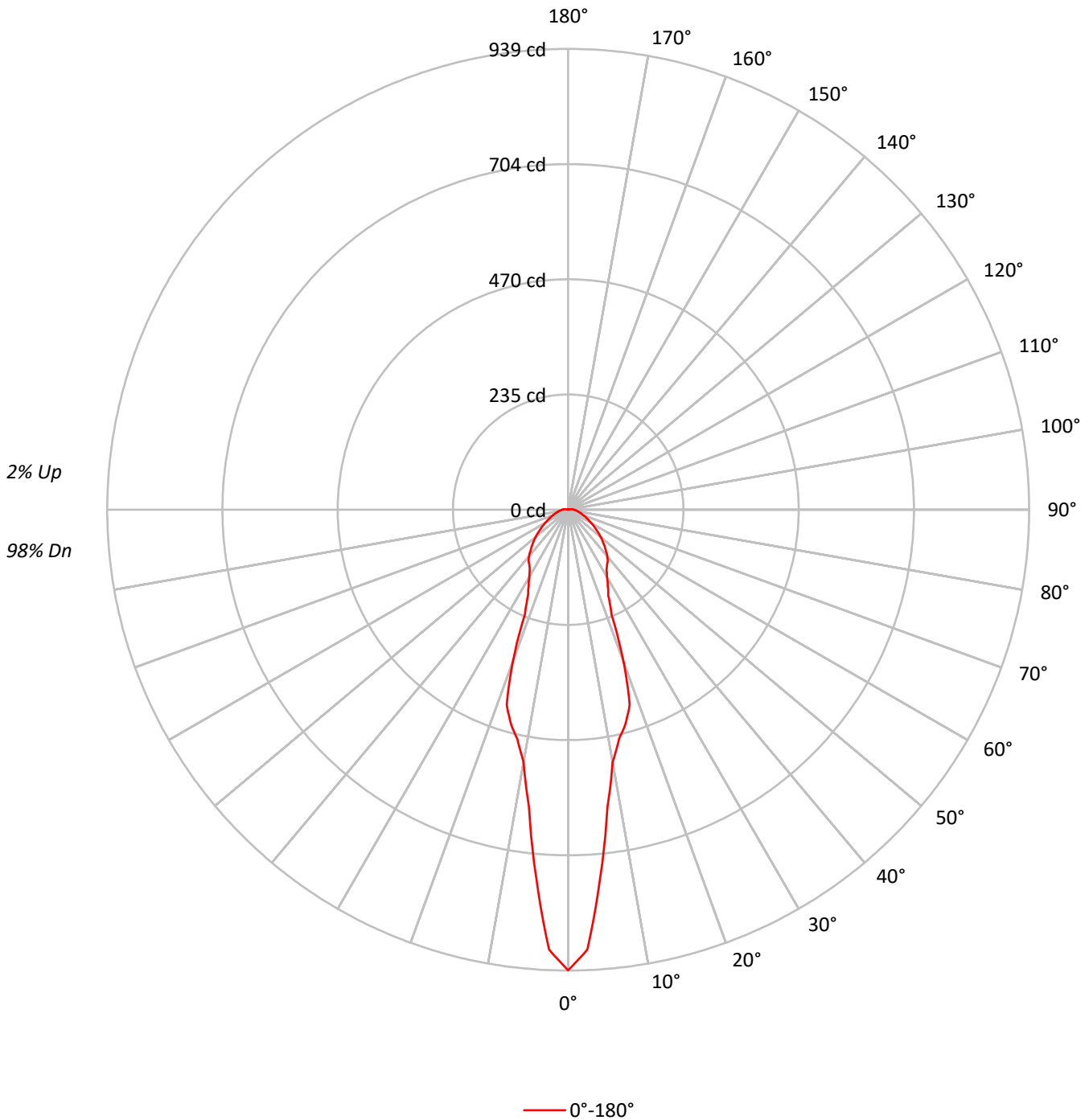
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 613.8 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct  
  
Input Watts (W): 9.9  
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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	61235
5°	43988
10°	27908
15°	22345
20°	15371
25°	8523
30°	6680
35°	5613
40°	4932
45°	4089
50°	3358
55°	2660
60°	2119
65°	1667
70°	1329
75°	1070
80°	867
85°	715

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4089 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	10.5
10°-20°	123.3	20.1
20°-30°	95.7	15.6
30°-40°	87.1	14.2
40°-50°	80.8	13.2
50°-60°	62.2	10.1
60°-70°	42.6	6.9
70°-80°	27.6	4.5
80°-90°	17.2	2.8
90°-100°	10.0	1.6
100°-110°	3.1	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°	283.2	46.1
0°-40°	370.3	60.3
0°-60°	513.2	83.6
0°-90°	600.6	97.9
90°-120°	13.2	2.1
90°-150°	13.2	2.1
90°-180°	13.0	2.1
0°-180°	613.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	939	
5°	752	64
15°	451	123
25°	194	96
35°	138	87
45°	105	81
55°	69	62
65°	42	43
75°	26	28
85°	16	14
90°	12	6
95°	9	7
105°	3	3
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°	938.6
2.5°	897.1
5°	751.6
7.5°	611.2
10°	522.3
12.5°	478.6
15°	451.4
17.5°	416.3
20°	331.0
22.5°	231.4
25°	193.5
27.5°	174.8
30°	158.3
32.5°	145.4
35°	137.6
37.5°	132.6
40°	124.0
42.5°	113.9
45°	104.6
47.5°	95.3
50°	86.7
52.5°	77.4
55°	68.8
57.5°	61.6
60°	54.5
62.5°	48.0
65°	42.3
67.5°	38.0
70°	33.0
72.5°	29.4
75°	25.8
77.5°	22.9
80°	20.1
82.5°	17.9
85°	15.8
87.5°	13.6
90°	11.5
92.5°	10.7
95°	9.3
97.5°	7.9
100°	5.7
102.5°	4.3
105°	2.9
107.5°	1.4
110°	0.7

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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)