

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: P702414

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9730-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702414  
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-10-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

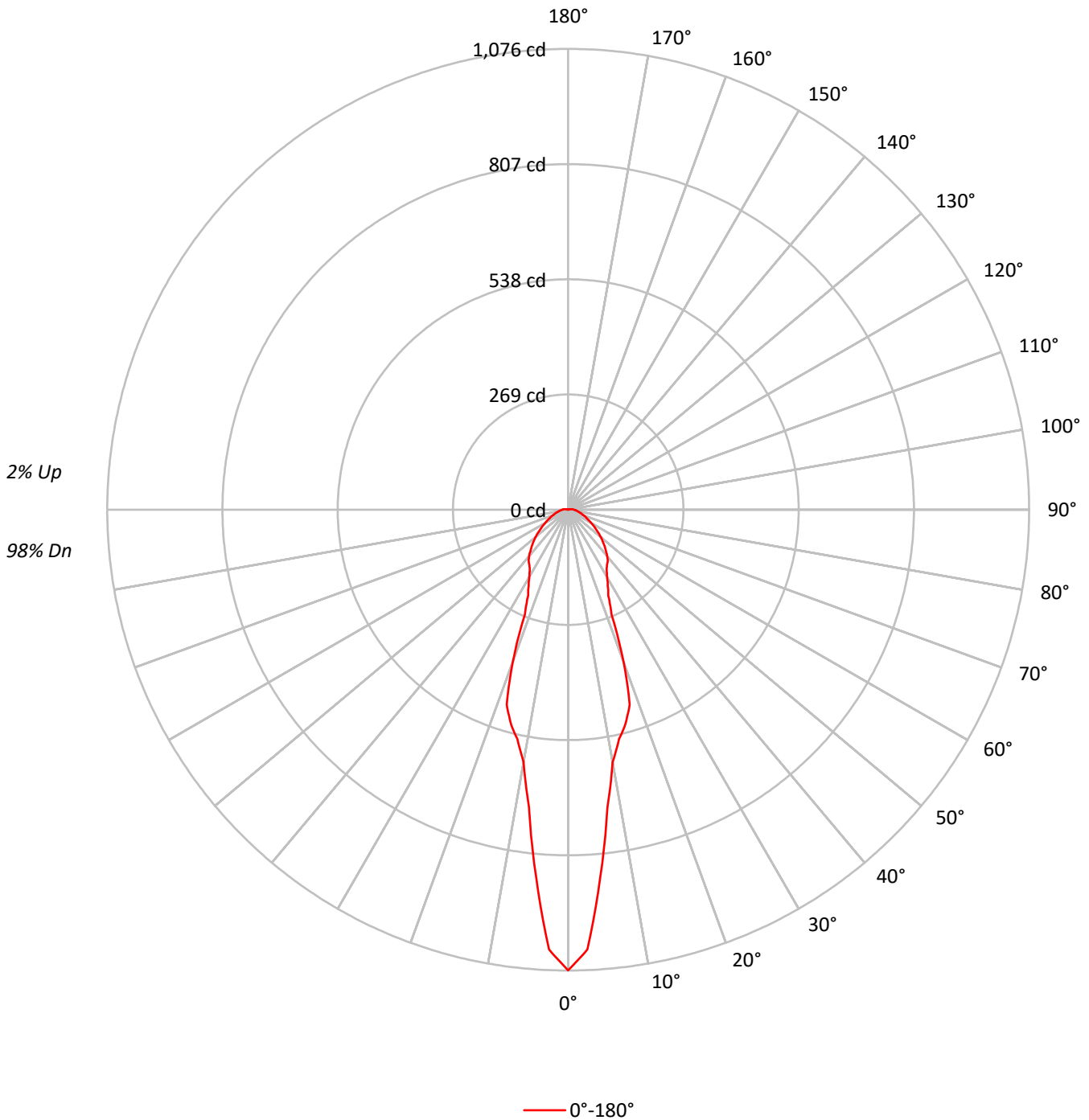
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 703.3 lumens  
Efficiency: N/A  
Efficacy: 71.8 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): 9.8  
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	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°	70173
5°	50408
10°	31980
15°	25608
20°	17614
25°	9766
30°	7659
35°	6429
40°	5648
45°	4687
50°	3846
55°	3046
60°	2426
65°	1908
70°	1522
75°	1228
80°	992
85°	819

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4687 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	10.5
10°-20°	141.3	20.1
20°-30°	109.7	15.6
30°-40°	99.8	14.2
40°-50°	92.5	13.2
50°-60°	71.2	10.1
60°-70°	48.7	6.9
70°-80°	31.7	4.5
80°-90°	19.7	2.8
90°-100°	11.4	1.6
100°-110°	3.6	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°	324.5	46.1
0°-40°	424.3	60.3
0°-60°	588.0	83.6
0°-90°	688.1	97.8
90°-120°	15.1	2.2
90°-150°	15.1	2.2
90°-180°	15.0	2.1
0°-180°	703.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1076	
5°	861	74
15°	517	141
25°	222	110
35°	158	100
45°	120	93
55°	79	71
65°	48	49
75°	30	32
85°	18	16
90°	13	7
95°	11	8
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°	1075.6
2.5°	1028.0
5°	861.3
7.5°	700.4
10°	598.5
12.5°	548.5
15°	517.3
17.5°	477.0
20°	379.3
22.5°	265.2
25°	221.7
27.5°	200.3
30°	181.5
32.5°	166.7
35°	157.6
37.5°	151.9
40°	142.0
42.5°	130.5
45°	119.9
47.5°	109.2
50°	99.3
52.5°	88.7
55°	78.8
57.5°	70.6
60°	62.4
62.5°	55.0
65°	48.4
67.5°	43.5
70°	37.8
72.5°	33.7
75°	29.6
77.5°	26.3
80°	23.0
82.5°	20.5
85°	18.1
87.5°	15.6
90°	13.1
92.5°	12.3
95°	10.7
97.5°	9.0
100°	6.6
102.5°	4.9
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)