

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: P702553

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702553  
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-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

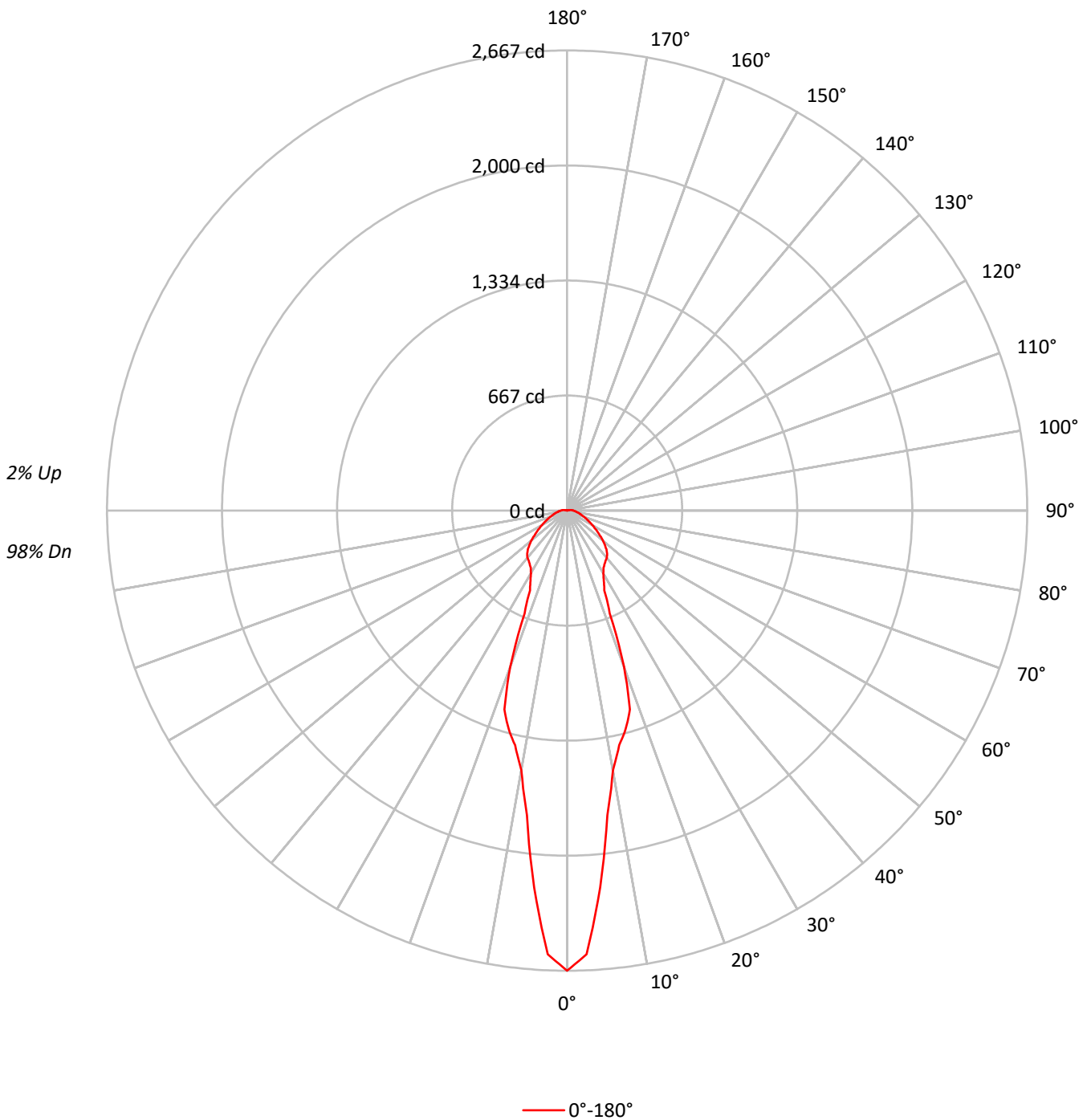
Lumens per Lamp: N/A  
Luminaire Lumens: 1792.2 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 31.5  
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	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°	173971
5°	128359
10°	81624
15°	64878
20°	44735
25°	22491
30°	17706
35°	15433
40°	14223
45°	12608
50°	10487
55°	8311
60°	6591
65°	5215
70°	4079
75°	3261
80°	2673
85°	2149

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12608 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.7	10.4
10°-20°	358.6	20.0
20°-30°	260.4	14.5
30°-40°	238.9	13.3
40°-50°	246.4	13.7
50°-60°	193.6	10.8
60°-70°	131.7	7.3
70°-80°	84.3	4.7
80°-90°	52.1	2.9
90°-100°	30.2	1.7
100°-110°	9.1	0.5
110°-120°	0.3	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°	805.7	45.0
0°-40°	1044.5	58.3
0°-60°	1484.6	82.8
0°-90°	1752.7	97.8
90°-120°	39.5	2.2
90°-150°	39.5	2.2
90°-180°	40.0	2.2
0°-180°	1792.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2667	
5°	2193	187
15°	1311	359
25°	511	260
35°	378	239
45°	322	246
55°	215	194
65°	132	132
75°	79	84
85°	48	42
90°	35	20
95°	29	21
105°	8	9
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°	2666.6
2.5°	2573.6
5°	2193.2
7.5°	1781.9
10°	1527.6
12.5°	1393.3
15°	1310.6
17.5°	1209.3
20°	963.3
22.5°	644.9
25°	510.6
27.5°	458.9
30°	419.6
32.5°	392.8
35°	378.3
37.5°	365.9
40°	357.6
42.5°	343.1
45°	322.5
47.5°	297.7
50°	270.8
52.5°	241.9
55°	215.0
57.5°	190.2
60°	169.5
62.5°	148.8
65°	132.3
67.5°	115.8
70°	101.3
72.5°	88.9
75°	78.6
77.5°	70.3
80°	62.0
82.5°	53.7
85°	47.5
87.5°	41.3
90°	35.1
92.5°	33.1
95°	28.9
97.5°	22.7
100°	16.5
102.5°	12.4
105°	8.3
107.5°	4.1
110°	2.1

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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)