

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: P702329

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9035-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702329  
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-08-D010 / 340-EU4C-1020-9035-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

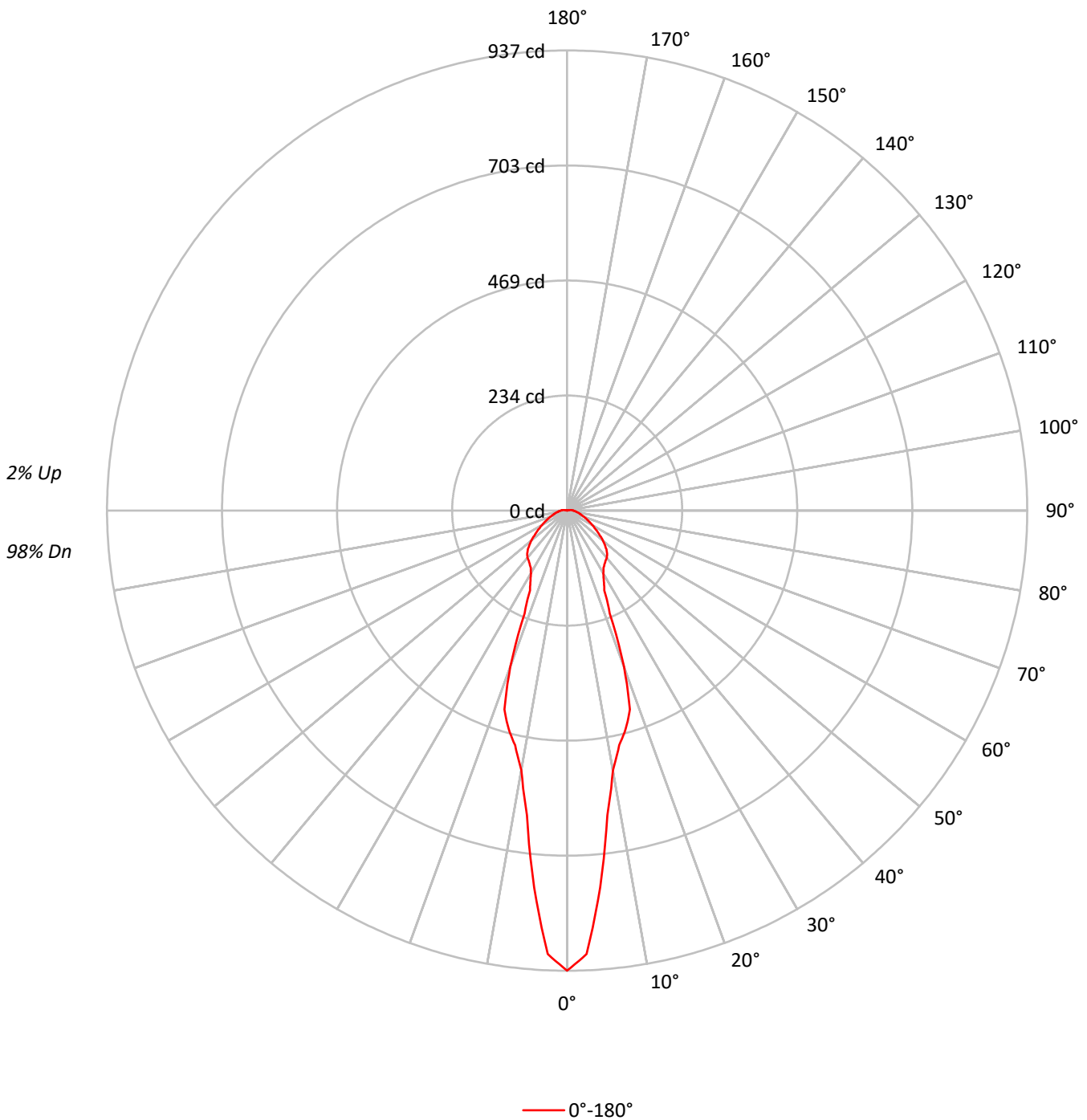
Lumens per Lamp: N/A  
Luminaire Lumens: 629.6 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 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	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°	61117
5°	45094
10°	28678
15°	22791
20°	15715
25°	7902
30°	6220
35°	5422
40°	4996
45°	4429
50°	3683
55°	2919
60°	2314
65°	1833
70°	1434
75°	1145
80°	940
85°	756

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4429 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.6	10.4
10°-20°	126.0	20.0
20°-30°	91.5	14.5
30°-40°	83.9	13.3
40°-50°	86.6	13.7
50°-60°	68.0	10.8
60°-70°	46.3	7.3
70°-80°	29.6	4.7
80°-90°	18.3	2.9
90°-100°	10.6	1.7
100°-110°	3.2	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°	283.0	45.0
0°-40°	366.9	58.3
0°-60°	521.5	82.8
0°-90°	615.7	97.8
90°-120°	13.9	2.2
90°-150°	13.9	2.2
90°-180°	14.0	2.2
0°-180°	629.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	937	
5°	770	66
15°	460	126
25°	179	91
35°	133	84
45°	113	87
55°	76	68
65°	46	46
75°	28	30
85°	17	15
90°	12	7
95°	10	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	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	936.8
2.5°	904.1
5°	770.5
7.5°	626.0
10°	536.7
12.5°	489.5
15°	460.4
17.5°	424.8
20°	338.4
22.5°	226.6
25°	179.4
27.5°	161.2
30°	147.4
32.5°	138.0
35°	132.9
37.5°	128.5
40°	125.6
42.5°	120.5
45°	113.3
47.5°	104.6
50°	95.1
52.5°	85.0
55°	75.5
57.5°	66.8
60°	59.5
62.5°	52.3
65°	46.5
67.5°	40.7
70°	35.6
72.5°	31.2
75°	27.6
77.5°	24.7
80°	21.8
82.5°	18.9
85°	16.7
87.5°	14.5
90°	12.3
92.5°	11.6
95°	10.2
97.5°	8.0
100°	5.8
102.5°	4.4
105°	2.9
107.5°	1.5
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)