

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: P702753

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

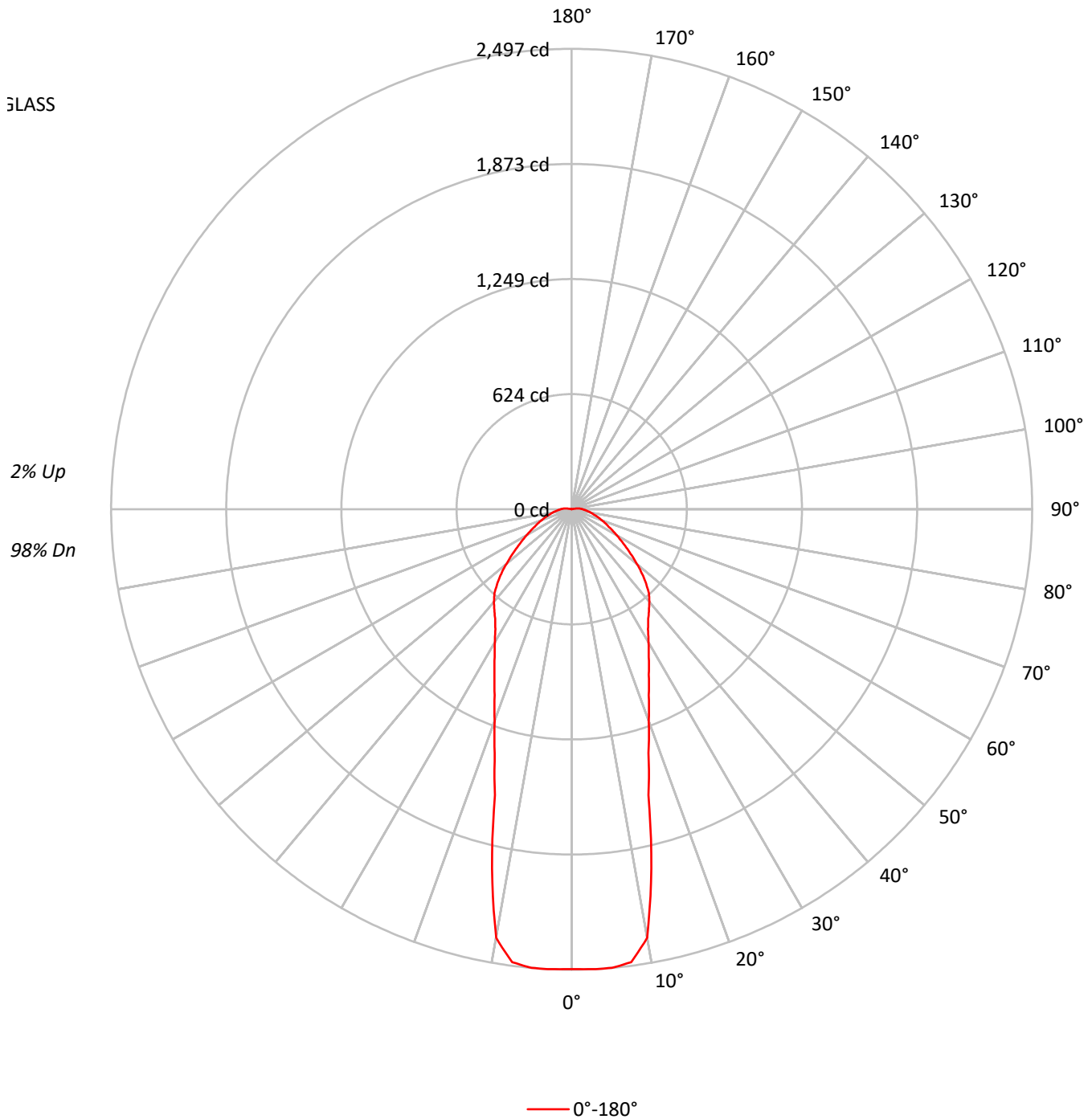
Lumens per Lamp: N/A  
Luminaire Lumens: 2881.6 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 47  
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	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	162691
5°	146139
10°	126070
15°	79486
20°	56763
25°	43591
30°	35122
35°	29543
40°	26068
45°	22291
50°	17892
55°	13936
60°	10957
65°	8655
70°	6995
75°	5576
80°	4523
85°	3556

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22291 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.8	8.1
10°-20°	463.5	16.1
20°-30°	459.1	15.9
30°-40°	457.5	15.9
40°-50°	436.6	15.2
50°-60°	325.9	11.3
60°-70°	220.9	7.7
70°-80°	144.1	5.0
80°-90°	87.5	3.0
90°-100°	45.6	1.6
100°-110°	6.1	0.2
110°-120°	0.0	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°	1157.3	40.2
0°-40°	1614.8	56.0
0°-60°	2377.3	82.5
0°-90°	2829.8	98.2
90°-120°	51.8	1.8
90°-150°	51.8	1.8
90°-180°	52.0	1.8
0°-180°	2881.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2494	
5°	2497	235
15°	1606	463
25°	990	459
35°	724	457
45°	570	437
55°	360	326
65°	220	221
75°	134	144
85°	79	70
90°	59	33
95°	43	30
105°	3	6
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°	2493.7
2.5°	2497.0
5°	2497.0
7.5°	2477.3
10°	2359.4
12.5°	1995.6
15°	1605.7
17.5°	1386.1
20°	1222.3
22.5°	1091.2
25°	989.6
27.5°	904.4
30°	832.3
32.5°	770.1
35°	724.2
37.5°	688.1
40°	655.4
42.5°	619.3
45°	570.2
47.5°	517.7
50°	462.0
52.5°	409.6
55°	360.5
57.5°	317.9
60°	281.8
62.5°	249.0
65°	219.6
67.5°	196.6
70°	173.7
72.5°	154.0
75°	134.4
77.5°	118.0
80°	104.9
82.5°	91.8
85°	78.6
87.5°	68.8
90°	59.0
92.5°	52.4
95°	42.6
97.5°	32.8
100°	19.7
102.5°	9.8
105°	3.3
107.5°	0.0
110°	0.0

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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)