

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: P702396

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702396  
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-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

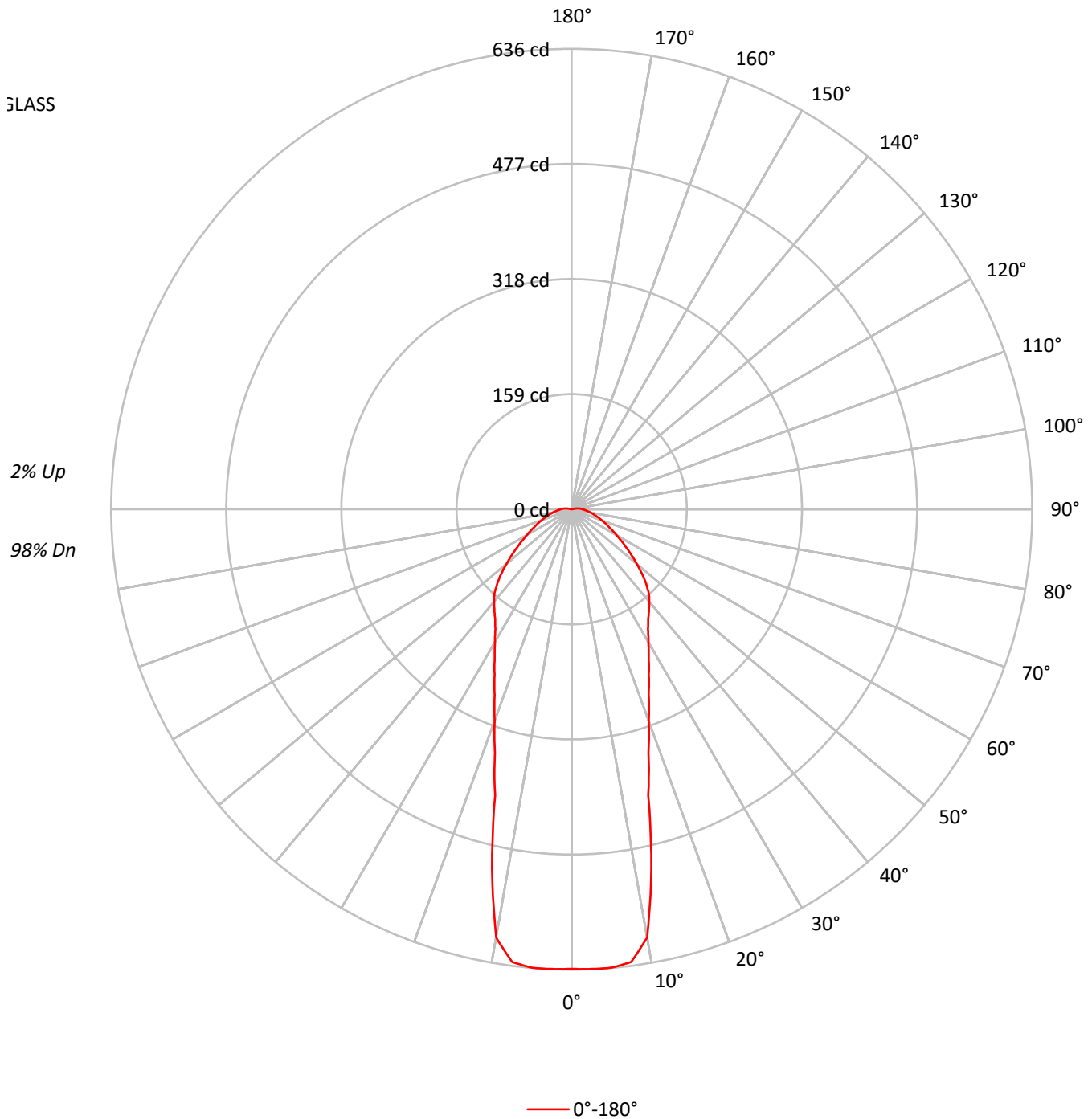
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.6 lumens  
Efficiency: N/A  
Efficacy: 74.9 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): 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

TEST NUMBER: P702396

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

### Luminous Intensity Polar Plot



TEST NUMBER: P702396

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

**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	77	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	39	35	33

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

	0°
0°	41421
5°	37205
10°	32097
15°	20237
20°	14452
25°	11096
30°	8942
35°	7523
40°	6634
45°	5676
50°	4554
55°	3549
60°	2788
65°	2203
70°	1780
75°	1419
80°	1151
85°	905

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5676 cd/sqm

TEST NUMBER: P702396

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.8	8.1
10°-20°	118.0	16.1
20°-30°	116.9	15.9
30°-40°	116.5	15.9
40°-50°	111.2	15.2
50°-60°	83.0	11.3
60°-70°	56.2	7.7
70°-80°	36.7	5.0
80°-90°	22.3	3.0
90°-100°	11.6	1.6
100°-110°	1.6	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°	294.7	40.2
0°-40°	411.1	56.0
0°-60°	605.2	82.5
0°-90°	720.4	98.2
90°-120°	13.1	1.8
90°-150°	13.1	1.8
90°-180°	13.0	1.8
0°-180°	733.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	635	
5°	636	60
15°	409	118
25°	252	117
35°	184	116
45°	145	111
55°	92	83
65°	56	56
75°	34	37
85°	20	18
90°	15	8
95°	11	8
105°	1	2
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702396

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	634.9
2.5°	635.7
5°	635.7
7.5°	630.7
10°	600.7
12.5°	508.1
15°	408.8
17.5°	352.9
20°	311.2
22.5°	277.8
25°	251.9
27.5°	230.3
30°	211.9
32.5°	196.0
35°	184.4
37.5°	175.2
40°	166.8
42.5°	157.7
45°	145.2
47.5°	131.8
50°	117.6
52.5°	104.3
55°	91.8
57.5°	80.9
60°	71.7
62.5°	63.4
65°	55.9
67.5°	50.1
70°	44.2
72.5°	39.2
75°	34.2
77.5°	30.0
80°	26.7
82.5°	23.4
85°	20.0
87.5°	17.5
90°	15.0
92.5°	13.3
95°	10.8
97.5°	8.3
100°	5.0
102.5°	2.5
105°	0.8
107.5°	0.0
110°	0.0

TEST NUMBER: P702396

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-GFC

**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)