

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: P701759

Luminaire Tested: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P701759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC  
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

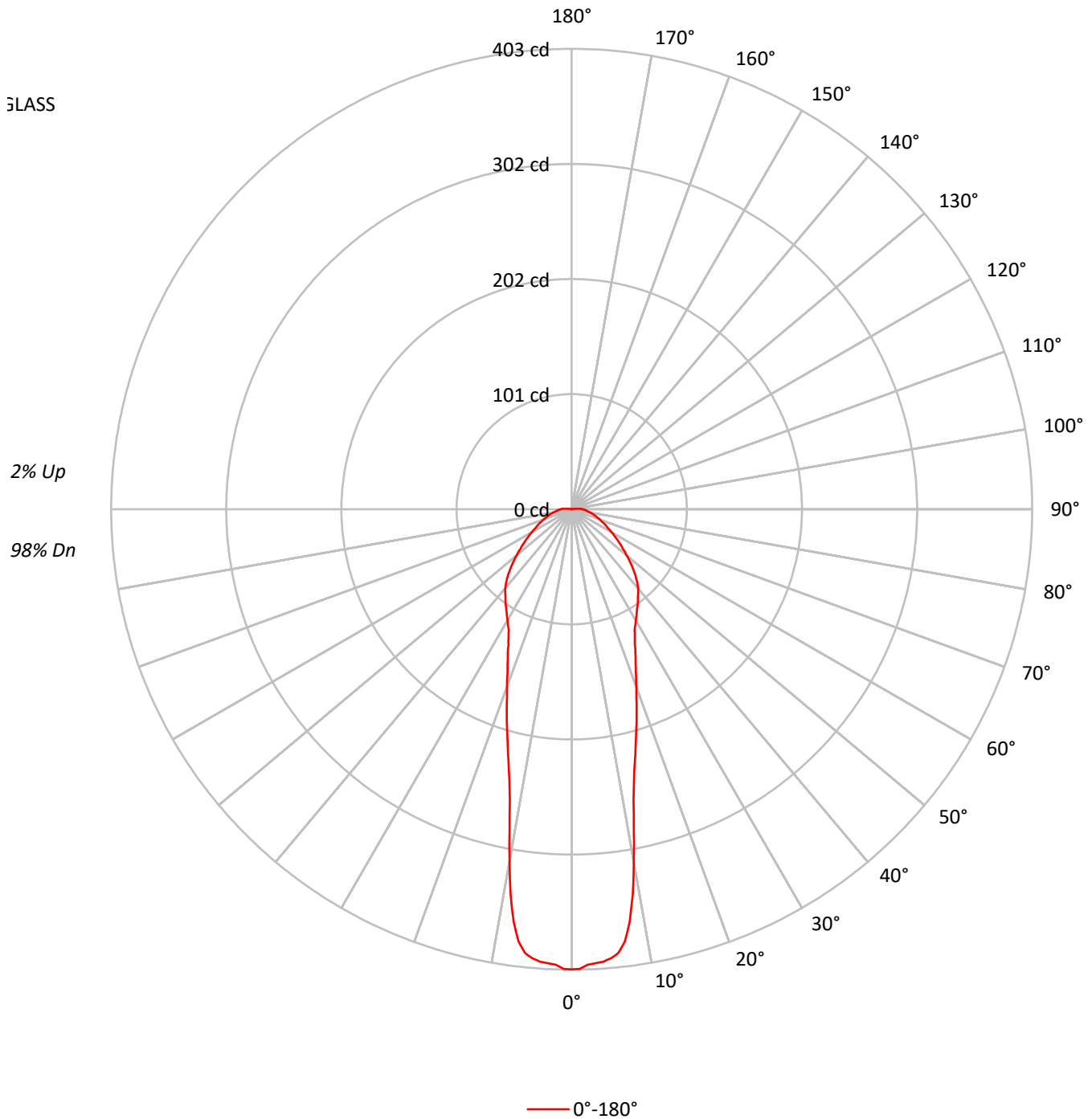
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 401.2 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.65  
Luminous Opening: Vertical Cylinder (Dia: 0.34' x H: 0.46')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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: P701759

CATALOG NUMBER: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

### Luminous Intensity Polar Plot



TEST NUMBER: P701759

CATALOG NUMBER: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-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	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	104	100	97	106	102	98	95	97	94	92	93	91	89	89	87	86	83				
2	100	93	87	81	98	91	85	80	87	82	78	84	80	76	80	77	74	72				
3	93	83	76	70	90	82	75	69	78	73	68	75	71	66	73	69	65	63				
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	66	62	58	56				
5	80	69	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50				
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	51	47	45				
7	70	58	50	45	69	57	50	44	56	49	44	54	48	44	53	47	43	41				
8	66	54	46	41	65	53	46	41	52	45	40	50	44	40	49	44	40	38				
9	62	50	43	38	61	50	43	38	48	42	37	47	41	37	46	41	37	35				
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	44	38	34	33				

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

	0°
0°	46718
5°	39991
10°	28398
15°	17827
20°	12618
25°	9350
30°	7602
35°	6514
40°	5652
45°	4700
50°	3748
55°	2988
60°	2378
65°	1928
70°	1575
75°	1277
80°	1012
85°	822

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4700 cd/sqm

TEST NUMBER: P701759

CATALOG NUMBER: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.4	8.8
10°-20°	61.1	15.2
20°-30°	61.2	15.2
30°-40°	63.1	15.7
40°-50°	59.4	14.8
50°-60°	45.5	11.3
60°-70°	32.5	8.1
70°-80°	22.2	5.5
80°-90°	13.8	3.5
90°-100°	6.6	1.6
100°-110°	0.6	0.1
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°	157.6	39.3
0°-40°	220.7	55.0
0°-60°	325.6	81.2
0°-90°	394.1	98.2
90°-120°	7.2	1.8
90°-150°	7.2	1.8
90°-180°	7.0	1.7
0°-180°	401.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	403	
5°	394	35
15°	216	61
25°	131	61
35°	101	63
45°	77	59
55°	51	46
65°	33	32
75°	21	22
85°	13	11
90°	10	5
95°	6	4
105°	0	1
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: P701759

CATALOG NUMBER: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	402.8
1°	402.3
2°	398.9
3°	397.9
4°	396.9
5°	394.5
6°	390.6
7°	381.4
8°	364.8
9°	341.5
10°	313.3
11°	284.6
12°	260.7
13°	242.2
14°	228.1
15°	216.0
16°	204.3
17°	194.1
18°	183.9
19°	174.1
20°	165.4
21°	157.1
22°	149.8
23°	143.0
24°	137.2
25°	130.9
27.5°	119.2
30°	112.4
32.5°	106.0
35°	100.7
37.5°	95.3
40°	90.5
42.5°	84.2
45°	77.3
47.5°	70.0
50°	62.8
52.5°	56.4
55°	50.6
57.5°	45.2
60°	40.4
62.5°	36.0
65°	32.6
67.5°	29.2
70°	26.3
72.5°	23.3

TEST NUMBER: P701759

CATALOG NUMBER: 340-4C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

**CANDELA DISTRIBUTION (continued):**

	0°
75°	20.9
77.5°	18.5
80°	16.1
82.5°	14.1
85°	12.6
87.5°	11.2
90°	9.7
92.5°	8.3
95°	5.8
97.5°	3.9
100°	2.4
102.5°	1.0
105°	0.0
107.5°	0.0
110°	0.0
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)