

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: P701752

Luminaire Tested: 340-4C-05-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P701752  
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-1020-9024-4LBW1LI-GFC  
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

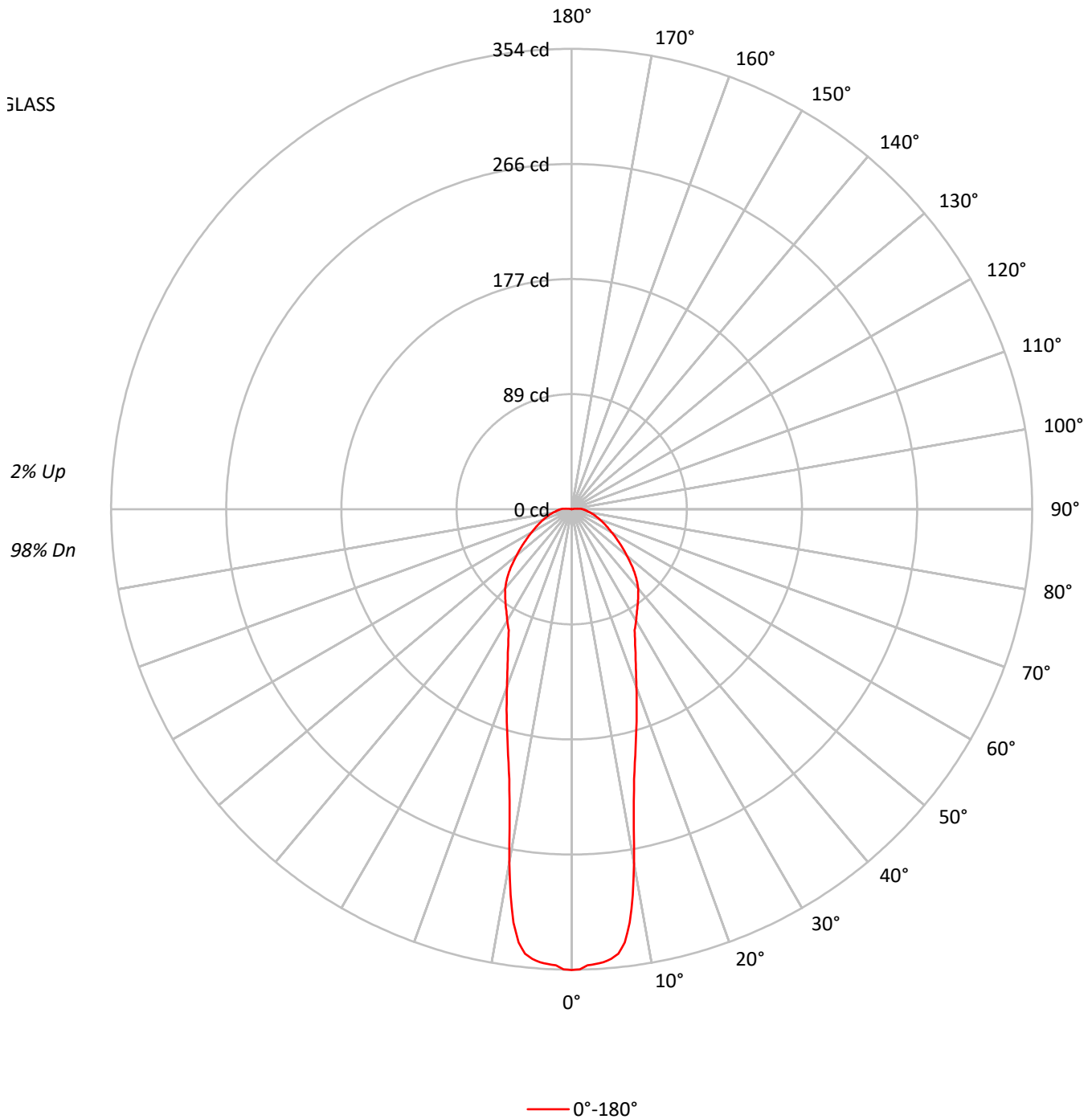
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 352.9 lumens  
Efficiency: N/A  
Efficacy: 49.0 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

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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	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°	41093
5°	35186
10°	24980
15°	15681
20°	11100
25°	8221
30°	6689
35°	5732
40°	4971
45°	4135
50°	3295
55°	2628
60°	2090
65°	1697
70°	1383
75°	1124
80°	886
85°	724

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4135 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	8.8
10°-20°	53.7	15.2
20°-30°	53.8	15.2
30°-40°	55.5	15.7
40°-50°	52.2	14.8
50°-60°	40.0	11.3
60°-70°	28.6	8.1
70°-80°	19.5	5.5
80°-90°	12.2	3.4
90°-100°	5.8	1.6
100°-110°	0.5	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°	138.7	39.3
0°-40°	194.2	55.0
0°-60°	286.4	81.2
0°-90°	346.6	98.2
90°-120°	6.3	1.8
90°-150°	6.3	1.8
90°-180°	6.0	1.7
0°-180°	352.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	354	
5°	347	31
15°	190	54
25°	115	54
35°	89	56
45°	68	52
55°	44	40
65°	29	29
75°	18	19
85°	11	10
90°	9	5
95°	5	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

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	354.3
1°	353.9
2°	350.9
3°	350.1
4°	349.2
5°	347.1
6°	343.6
7°	335.5
8°	321.0
9°	300.4
10°	275.6
11°	250.3
12°	229.4
13°	213.1
14°	200.7
15°	190.0
16°	179.7
17°	170.7
18°	161.8
19°	153.2
20°	145.5
21°	138.2
22°	131.8
23°	125.8
24°	120.7
25°	115.1
27.5°	104.8
30°	98.9
32.5°	93.3
35°	88.6
37.5°	83.9
40°	79.6
42.5°	74.0
45°	68.0
47.5°	61.6
50°	55.2
52.5°	49.6
55°	44.5
57.5°	39.8
60°	35.5
62.5°	31.7
65°	28.7
67.5°	25.7
70°	23.1
72.5°	20.5

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**CANDELA DISTRIBUTION (continued):**

	0°
75°	18.4
77.5°	16.3
80°	14.1
82.5°	12.4
85°	11.1
87.5°	9.8
90°	8.6
92.5°	7.3
95°	5.1
97.5°	3.4
100°	2.1
102.5°	0.9
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)