

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: P702313

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9024-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-08-D010 / 340-EU4C-1020-9024-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

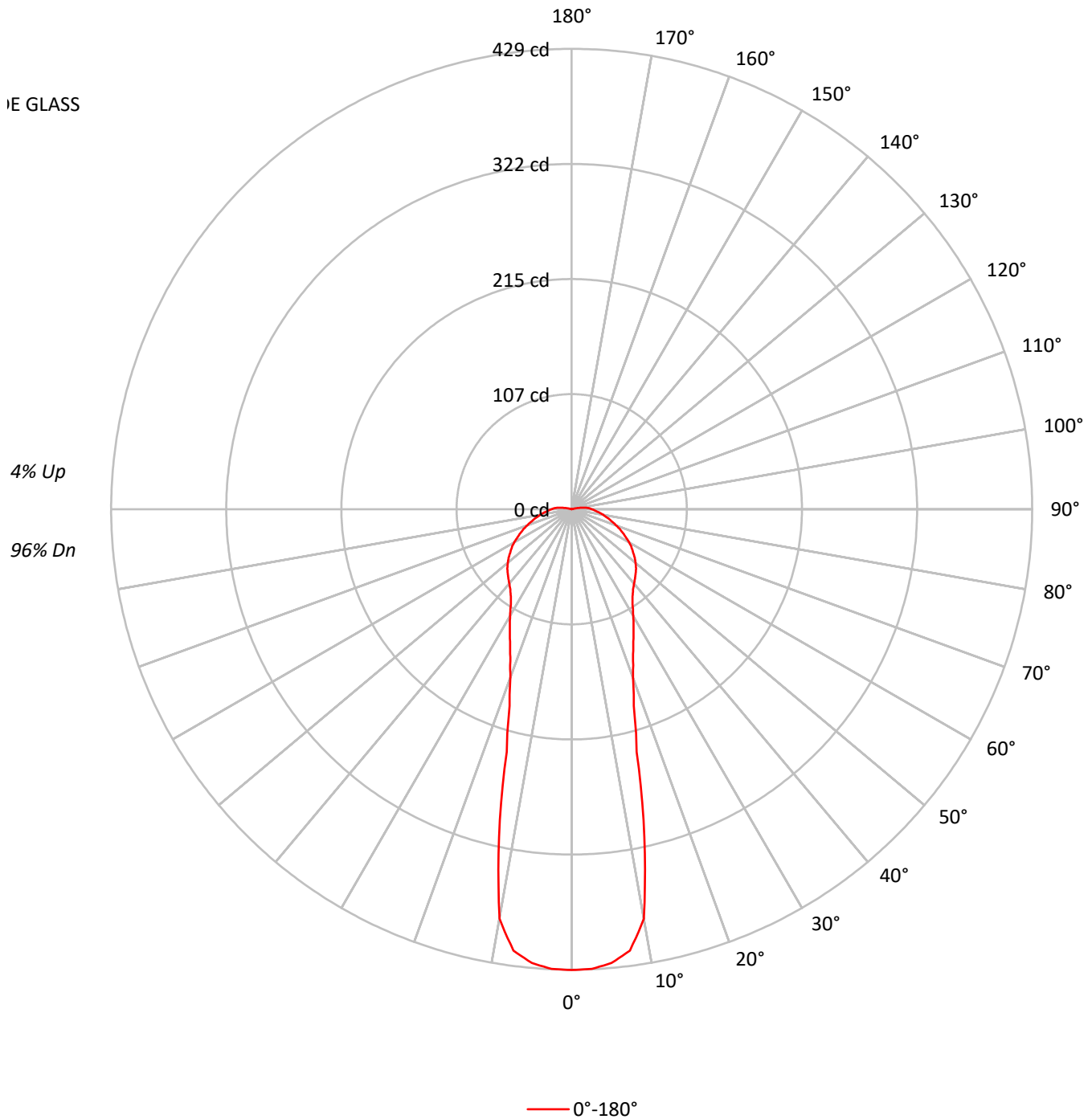
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 496.9 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

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

	0°
0°	28008
5°	24844
10°	20705
15°	11588
20°	7746
25°	5982
30°	4836
35°	4031
40°	3592
45°	3296
50°	3005
55°	2694
60°	2407
65°	2081
70°	1784
75°	1510
80°	1281
85°	1068

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3296 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	7.9
10°-20°	68.7	13.8
20°-30°	63.0	12.7
30°-40°	62.6	12.6
40°-50°	65.1	13.1
50°-60°	62.6	12.6
60°-70°	52.4	10.5
70°-80°	38.6	7.8
80°-90°	26.1	5.3
90°-100°	15.2	3.1
100°-110°	3.1	0.6
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°	171.2	34.5
0°-40°	233.9	47.1
0°-60°	361.5	72.7
0°-90°	478.5	96.3
90°-120°	18.4	3.7
90°-150°	18.4	3.7
90°-180°	18.0	3.6
0°-180°	496.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	429	
5°	424	39
15°	234	69
25°	136	63
35°	99	63
45°	84	65
55°	70	63
65°	53	52
75°	36	39
85°	24	21
90°	19	10
95°	15	10
105°	2	3
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°	429.3
2.5°	428.7
5°	424.5
7.5°	414.8
10°	387.5
12.5°	312.9
15°	234.1
17.5°	192.2
20°	166.8
22.5°	149.2
25°	135.8
27.5°	124.9
30°	114.6
32.5°	105.5
35°	98.8
37.5°	94.0
40°	90.3
42.5°	87.3
45°	84.3
47.5°	81.3
50°	77.6
52.5°	74.0
55°	69.7
57.5°	66.1
60°	61.9
62.5°	57.0
65°	52.8
67.5°	48.5
70°	44.3
72.5°	40.0
75°	36.4
77.5°	32.7
80°	29.7
82.5°	26.7
85°	23.6
87.5°	21.2
90°	18.8
92.5°	17.0
95°	14.6
97.5°	10.9
100°	7.3
102.5°	4.2
105°	2.4
107.5°	1.2
110°	0.6

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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)