

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: P702338

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

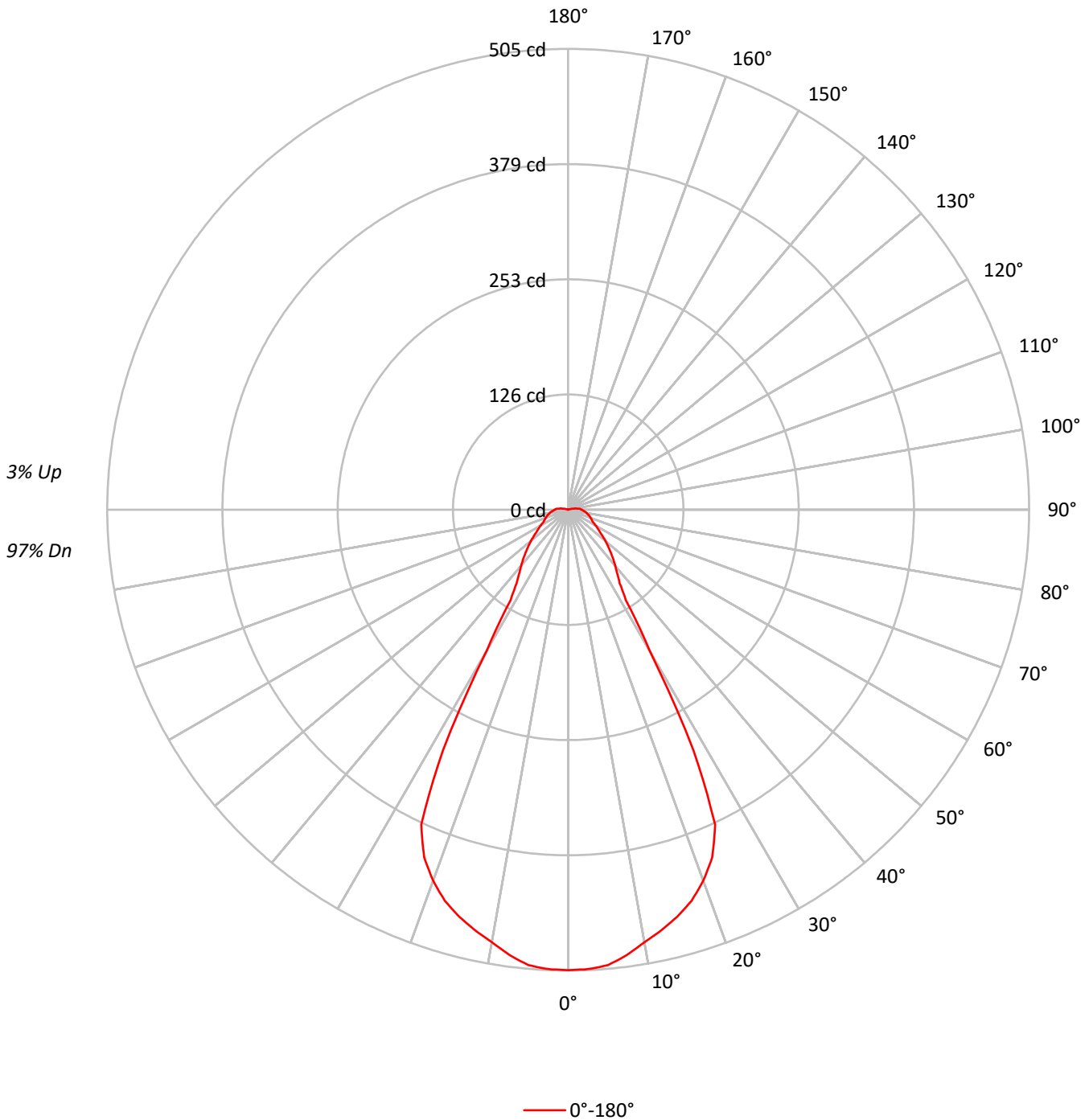
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 581.2 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	54	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	32920
5°	29321
10°	25717
15°	22855
20°	20090
25°	16778
30°	7528
35°	4010
40°	3186
45°	2561
50°	2060
55°	1631
60°	1361
65°	1147
70°	1055
75°	967
80°	880
85°	792

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2561 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	8.1
10°-20°	129.7	22.3
20°-30°	158.2	27.2
30°-40°	67.0	11.5
40°-50°	50.8	8.7
50°-60°	38.5	6.6
60°-70°	29.4	5.1
70°-80°	24.6	4.2
80°-90°	19.1	3.3
90°-100°	12.7	2.2
100°-110°	3.8	0.7
110°-120°	0.3	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°	335.0	57.7
0°-40°	402.0	69.2
0°-60°	491.3	84.5
0°-90°	564.4	97.1
90°-120°	16.8	2.9
90°-150°	16.8	2.9
90°-180°	17.0	2.9
0°-180°	581.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	505	
5°	501	47
15°	462	130
25°	381	158
35°	98	67
45°	66	51
55°	42	38
65°	29	29
75°	23	25
85°	18	15
90°	15	8
95°	12	9
105°	3	4
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°	504.6
2.5°	503.9
5°	501.0
7.5°	492.3
10°	481.3
12.5°	471.9
15°	461.7
17.5°	449.3
20°	432.6
22.5°	412.2
25°	380.9
27.5°	297.1
30°	178.4
32.5°	117.2
35°	98.3
37.5°	88.1
40°	80.1
42.5°	72.8
45°	65.5
47.5°	59.0
50°	53.2
52.5°	47.3
55°	42.2
57.5°	38.6
60°	35.0
62.5°	31.3
65°	29.1
67.5°	27.7
70°	26.2
72.5°	24.8
75°	23.3
77.5°	21.8
80°	20.4
82.5°	18.9
85°	17.5
87.5°	16.0
90°	14.6
92.5°	13.8
95°	12.4
97.5°	9.5
100°	7.3
102.5°	5.1
105°	2.9
107.5°	2.2
110°	0.7

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.7
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)