

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: P702366

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702366  
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-10-D010 / 340-EU4C-1020-9024-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

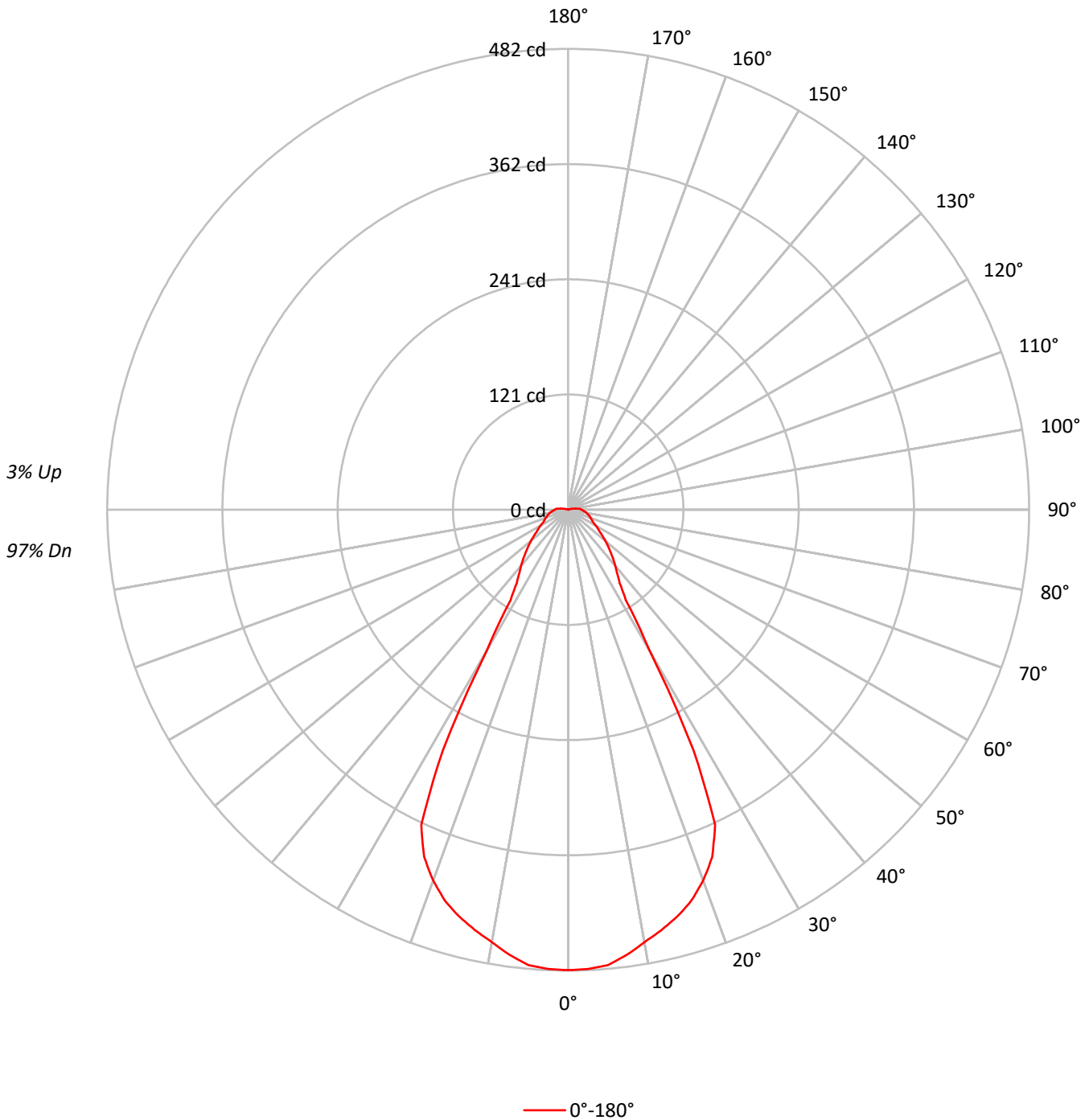
Lumens per Lamp: N/A  
Luminaire Lumens: 554.6 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 9.8  
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

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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	82	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	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	31413
5°	27981
10°	24542
15°	21806
20°	19166
25°	16007
30°	7182
35°	3827
40°	3039
45°	2443
50°	1963
55°	1558
60°	1299
65°	1096
70°	1007
75°	921
80°	841
85°	756

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2443 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	8.1
10°-20°	123.8	22.3
20°-30°	150.9	27.2
30°-40°	63.9	11.5
40°-50°	48.5	8.7
50°-60°	36.7	6.6
60°-70°	28.1	5.1
70°-80°	23.5	4.2
80°-90°	18.2	3.3
90°-100°	12.1	2.2
100°-110°	3.6	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°	319.7	57.6
0°-40°	383.6	69.2
0°-60°	468.8	84.5
0°-90°	538.6	97.1
90°-120°	16.0	2.9
90°-150°	16.0	2.9
90°-180°	16.0	2.9
0°-180°	554.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	482	
5°	478	45
15°	440	124
25°	363	151
35°	94	64
45°	62	48
55°	40	37
65°	28	28
75°	22	23
85°	17	14
90°	14	8
95°	12	8
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°	481.5
2.5°	480.8
5°	478.1
7.5°	469.7
10°	459.3
12.5°	450.3
15°	440.5
17.5°	428.7
20°	412.7
22.5°	393.3
25°	363.4
27.5°	283.5
30°	170.2
32.5°	111.9
35°	93.8
37.5°	84.1
40°	76.4
42.5°	69.5
45°	62.5
47.5°	56.3
50°	50.7
52.5°	45.2
55°	40.3
57.5°	36.8
60°	33.4
62.5°	29.9
65°	27.8
67.5°	26.4
70°	25.0
72.5°	23.6
75°	22.2
77.5°	20.8
80°	19.5
82.5°	18.1
85°	16.7
87.5°	15.3
90°	13.9
92.5°	13.2
95°	11.8
97.5°	9.0
100°	6.9
102.5°	4.9
105°	2.8
107.5°	2.1
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)