

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: P702408

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702408  
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-1020-9727-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 2700K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

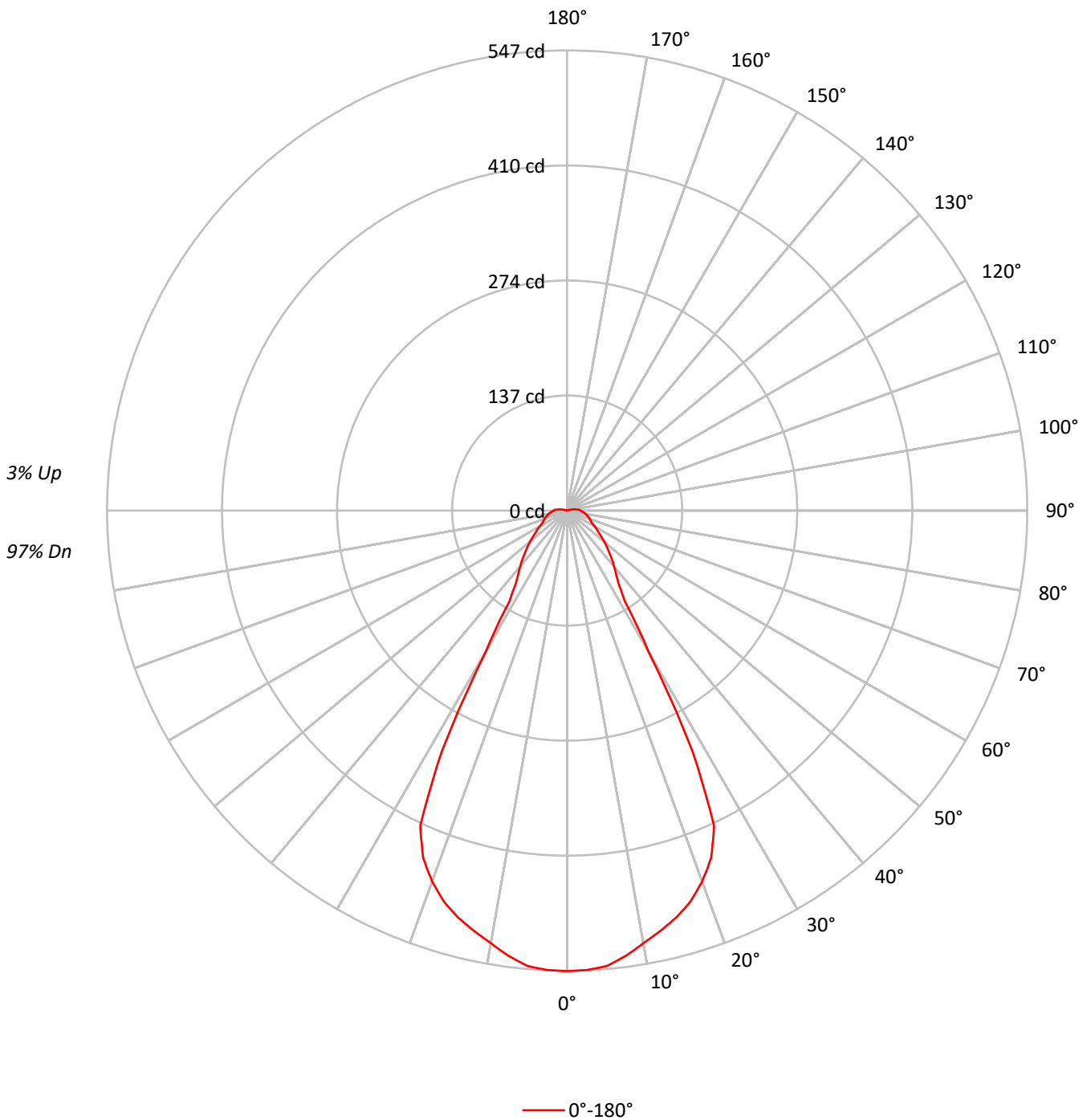
Lumens per Lamp: N/A  
Luminaire Lumens: 630.4 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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°	35713
5°	31803
10°	27897
15°	24791
20°	21789
25°	18197
30°	8165
35°	4349
40°	3456
45°	2780
50°	2235
55°	1771
60°	1474
65°	1245
70°	1144
75°	1050
80°	953
85°	860

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2780 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.1	8.1
10°-20°	140.7	22.3
20°-30°	171.6	27.2
30°-40°	72.7	11.5
40°-50°	55.1	8.7
50°-60°	41.7	6.6
60°-70°	31.9	5.1
70°-80°	26.7	4.2
80°-90°	20.7	3.3
90°-100°	13.8	2.2
100°-110°	4.1	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°	363.4	57.6
0°-40°	436.1	69.2
0°-60°	532.9	84.5
0°-90°	612.2	97.1
90°-120°	18.2	2.9
90°-150°	18.2	2.9
90°-180°	18.0	2.9
0°-180°	630.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	547	
5°	543	51
15°	501	141
25°	413	172
35°	107	73
45°	71	55
55°	46	42
65°	32	32
75°	25	27
85°	19	16
90°	16	9
95°	13	10
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°	547.4
2.5°	546.6
5°	543.4
7.5°	533.9
10°	522.1
12.5°	511.8
15°	500.8
17.5°	487.3
20°	469.2
22.5°	447.0
25°	413.1
27.5°	322.3
30°	193.5
32.5°	127.2
35°	106.6
37.5°	95.6
40°	86.9
42.5°	79.0
45°	71.1
47.5°	64.0
50°	57.7
52.5°	51.3
55°	45.8
57.5°	41.9
60°	37.9
62.5°	34.0
65°	31.6
67.5°	30.0
70°	28.4
72.5°	26.9
75°	25.3
77.5°	23.7
80°	22.1
82.5°	20.5
85°	19.0
87.5°	17.4
90°	15.8
92.5°	15.0
95°	13.4
97.5°	10.3
100°	7.9
102.5°	5.5
105°	3.2
107.5°	2.4
110°	0.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.8
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)