

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: P702471

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702471  
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-15-D010 / 340-EU4C-1020-9730-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

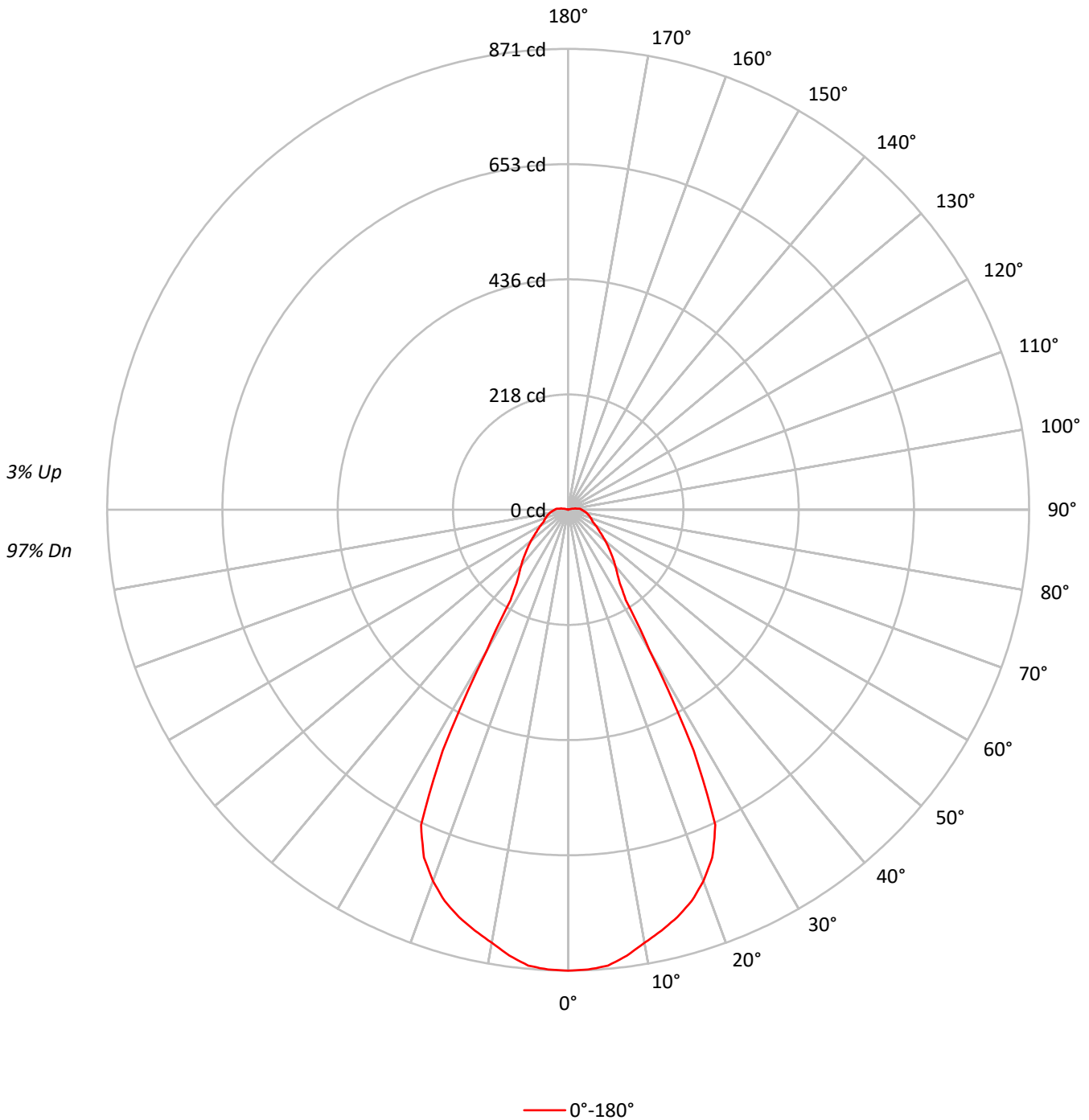
Lumens per Lamp: N/A  
Luminaire Lumens: 1003.4 lumens  
Efficiency: N/A  
Efficacy: 63.5 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 15.8  
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°	56844
5°	50625
10°	44408
15°	39458
20°	34681
25°	28967
30°	12997
35°	6923
40°	5501
45°	4425
50°	3555
55°	2818
60°	2345
65°	1983
70°	1824
75°	1668
80°	1518
85°	1366

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4425 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	8.1
10°-20°	223.9	22.3
20°-30°	273.1	27.2
30°-40°	115.6	11.5
40°-50°	87.7	8.7
50°-60°	66.4	6.6
60°-70°	50.8	5.1
70°-80°	42.5	4.2
80°-90°	32.9	3.3
90°-100°	22.0	2.2
100°-110°	6.5	0.7
110°-120°	0.5	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°	578.5	57.6
0°-40°	694.1	69.2
0°-60°	848.2	84.5
0°-90°	974.4	97.1
90°-120°	29.0	2.9
90°-150°	29.0	2.9
90°-180°	29.0	2.9
0°-180°	1003.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	871	
5°	865	81
15°	797	224
25°	658	273
35°	170	116
45°	113	88
55°	73	66
65°	50	51
75°	40	43
85°	30	26
90°	25	14
95°	21	15
105°	5	7
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	871.3
2.5°	870.0
5°	865.0
7.5°	849.9
10°	831.1
12.5°	814.7
15°	797.1
17.5°	775.7
20°	746.8
22.5°	711.6
25°	657.6
27.5°	513.0
30°	308.0
32.5°	202.4
35°	169.7
37.5°	152.1
40°	138.3
42.5°	125.7
45°	113.2
47.5°	101.8
50°	91.8
52.5°	81.7
55°	72.9
57.5°	66.6
60°	60.3
62.5°	54.1
65°	50.3
67.5°	47.8
70°	45.3
72.5°	42.7
75°	40.2
77.5°	37.7
80°	35.2
82.5°	32.7
85°	30.2
87.5°	27.7
90°	25.1
92.5°	23.9
95°	21.4
97.5°	16.3
100°	12.6
102.5°	8.8
105°	5.0
107.5°	3.8
110°	1.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	1.3
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)