

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: P702400

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

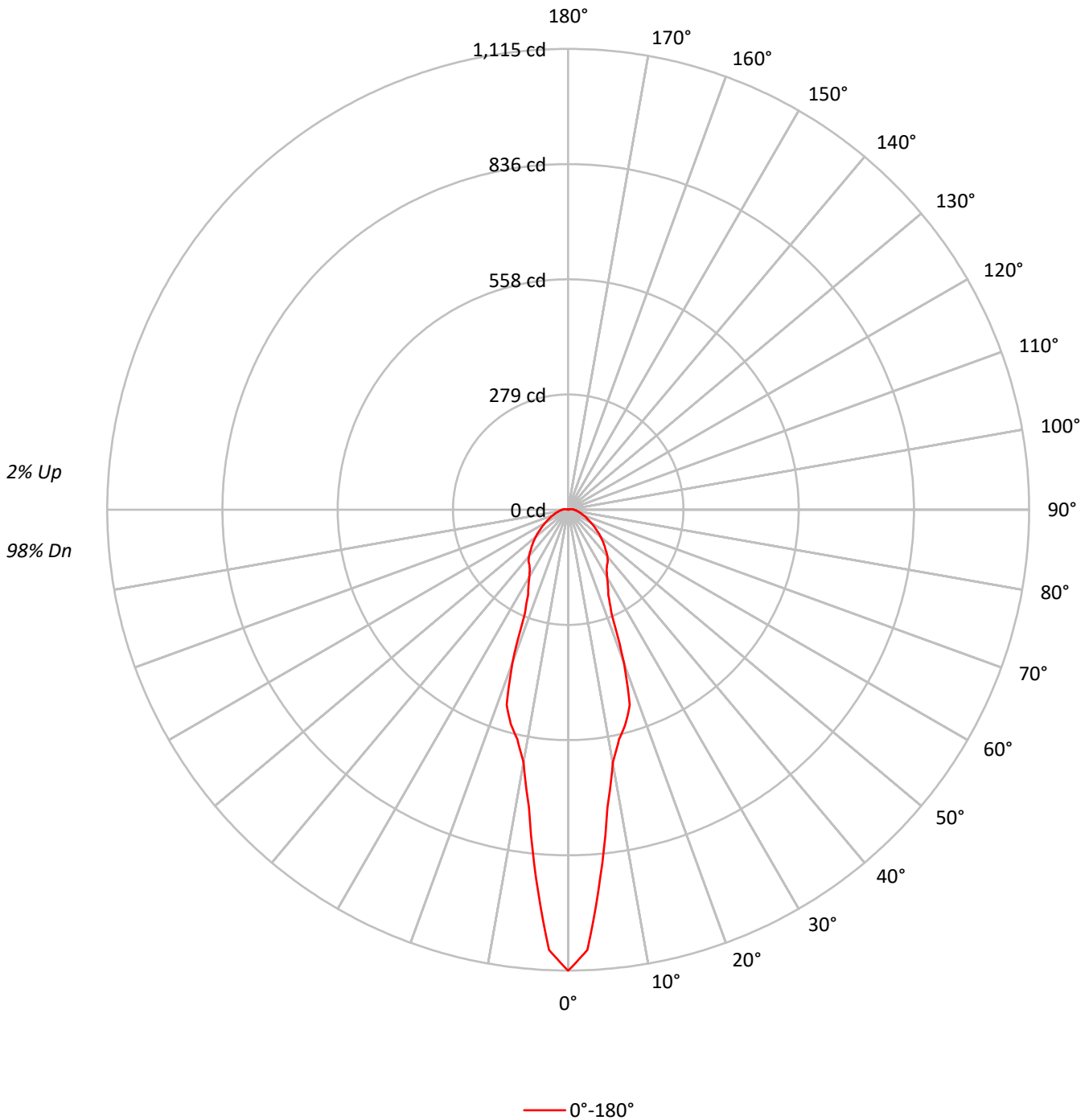
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 729.3 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	72763
5°	52269
10°	33166
15°	26553
20°	18269
25°	10127
30°	7942
35°	6670
40°	5859
45°	4859
50°	3989
55°	3158
60°	2516
65°	1979
70°	1579
75°	1274
80°	1026
85°	846

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4859 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	10.5
10°-20°	146.5	20.1
20°-30°	113.7	15.6
30°-40°	103.4	14.2
40°-50°	96.0	13.2
50°-60°	73.9	10.1
60°-70°	50.5	6.9
70°-80°	32.8	4.5
80°-90°	20.4	2.8
90°-100°	11.9	1.6
100°-110°	3.7	0.5
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°	336.5	46.1
0°-40°	440.0	60.3
0°-60°	609.8	83.6
0°-90°	713.6	97.8
90°-120°	15.7	2.2
90°-150°	15.7	2.2
90°-180°	16.0	2.2
0°-180°	729.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1115	
5°	893	76
15°	536	146
25°	230	114
35°	164	103
45°	124	96
55°	82	74
65°	50	51
75°	31	33
85°	19	16
90°	14	8
95°	11	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°	1115.3
2.5°	1066.0
5°	893.1
7.5°	726.3
10°	620.7
12.5°	568.7
15°	536.4
17.5°	494.7
20°	393.4
22.5°	275.0
25°	229.9
27.5°	207.7
30°	188.2
32.5°	172.8
35°	163.5
37.5°	157.5
40°	147.3
42.5°	135.4
45°	124.3
47.5°	113.2
50°	103.0
52.5°	92.0
55°	81.7
57.5°	73.2
60°	64.7
62.5°	57.0
65°	50.2
67.5°	45.1
70°	39.2
72.5°	34.9
75°	30.7
77.5°	27.2
80°	23.8
82.5°	21.3
85°	18.7
87.5°	16.2
90°	13.6
92.5°	12.8
95°	11.1
97.5°	9.4
100°	6.8
102.5°	5.1
105°	3.4
107.5°	1.7
110°	0.9

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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)