

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: P702420

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

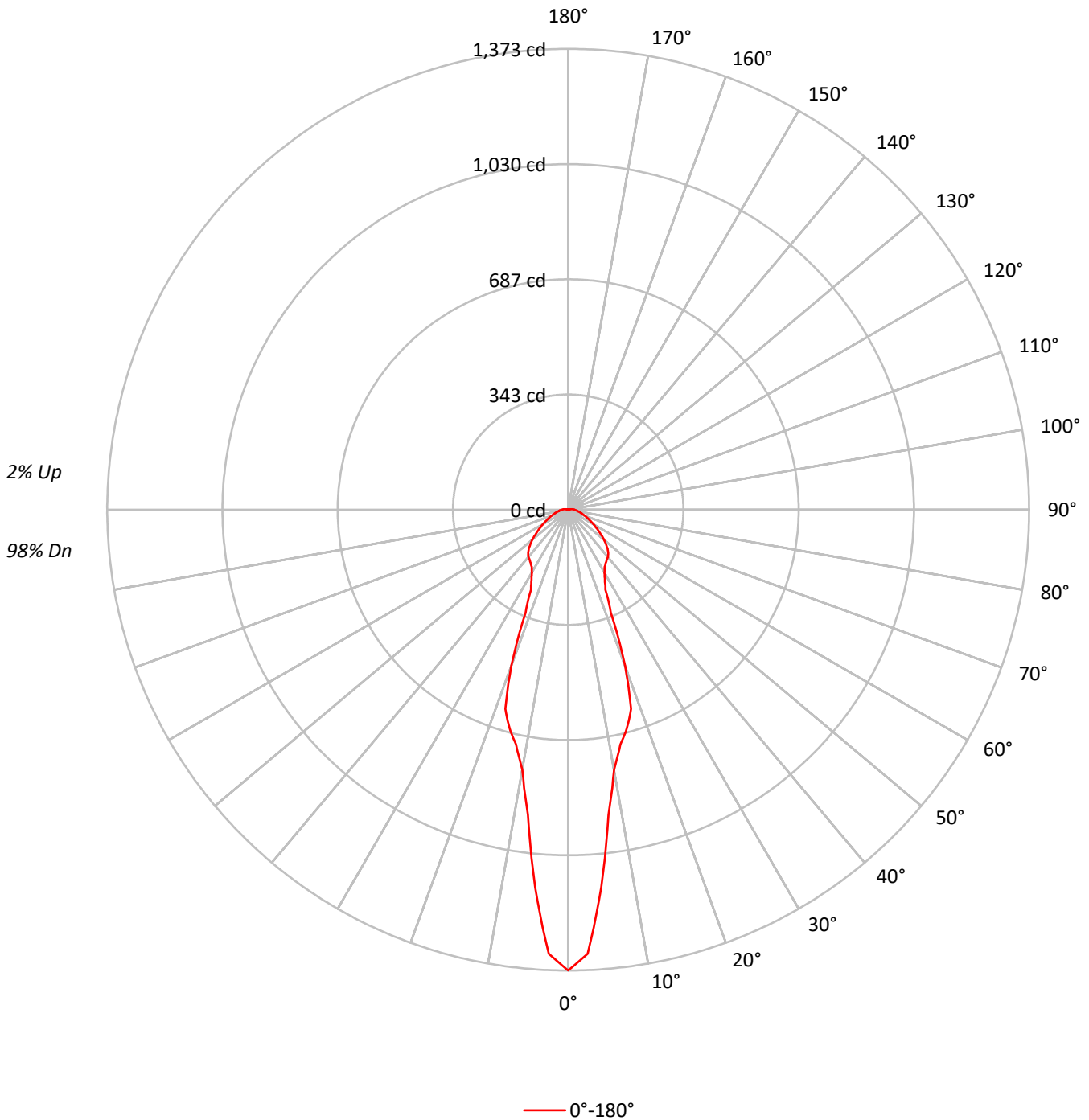
Lumens per Lamp: N/A  
Luminaire Lumens: 922.6 lumens  
Efficiency: N/A  
Efficacy: 58.4 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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

TEST NUMBER: P702420

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

### Luminous Intensity Polar Plot



TEST NUMBER: P702420

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

**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	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

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

	0°
0°	89549
5°	66070
10°	42014
15°	33394
20°	23025
25°	11576
30°	9115
35°	7943
40°	7322
45°	6490
50°	5398
55°	4279
60°	3395
65°	2684
70°	2098
75°	1676
80°	1375
85°	1108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6490 cd/sqm

TEST NUMBER: P702420

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.1	10.4
10°-20°	184.6	20.0
20°-30°	134.0	14.5
30°-40°	123.0	13.3
40°-50°	126.8	13.7
50°-60°	99.7	10.8
60°-70°	67.8	7.3
70°-80°	43.4	4.7
80°-90°	26.8	2.9
90°-100°	15.5	1.7
100°-110°	4.7	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°	414.7	45.0
0°-40°	537.7	58.3
0°-60°	764.2	82.8
0°-90°	902.2	97.8
90°-120°	20.4	2.2
90°-150°	20.4	2.2
90°-180°	20.0	2.2
0°-180°	922.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1373	
5°	1129	96
15°	675	185
25°	263	134
35°	195	123
45°	166	127
55°	111	100
65°	68	68
75°	40	43
85°	24	21
90°	18	10
95°	15	11
105°	4	5
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

TEST NUMBER: P702420

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1372.6
2.5°	1324.7
5°	1128.9
7.5°	917.2
10°	786.3
12.5°	717.2
15°	674.6
17.5°	622.5
20°	495.8
22.5°	332.0
25°	262.8
27.5°	236.2
30°	216.0
32.5°	202.2
35°	194.7
37.5°	188.3
40°	184.1
42.5°	176.6
45°	166.0
47.5°	153.2
50°	139.4
52.5°	124.5
55°	110.7
57.5°	97.9
60°	87.3
62.5°	76.6
65°	68.1
67.5°	59.6
70°	52.1
72.5°	45.8
75°	40.4
77.5°	36.2
80°	31.9
82.5°	27.7
85°	24.5
87.5°	21.3
90°	18.1
92.5°	17.0
95°	14.9
97.5°	11.7
100°	8.5
102.5°	6.4
105°	4.3
107.5°	2.1
110°	1.1

TEST NUMBER: P702420

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

**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)