

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: P702630

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9727-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702630  
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-30-D010 / 340-EU4C-3040-9727-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 2700K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

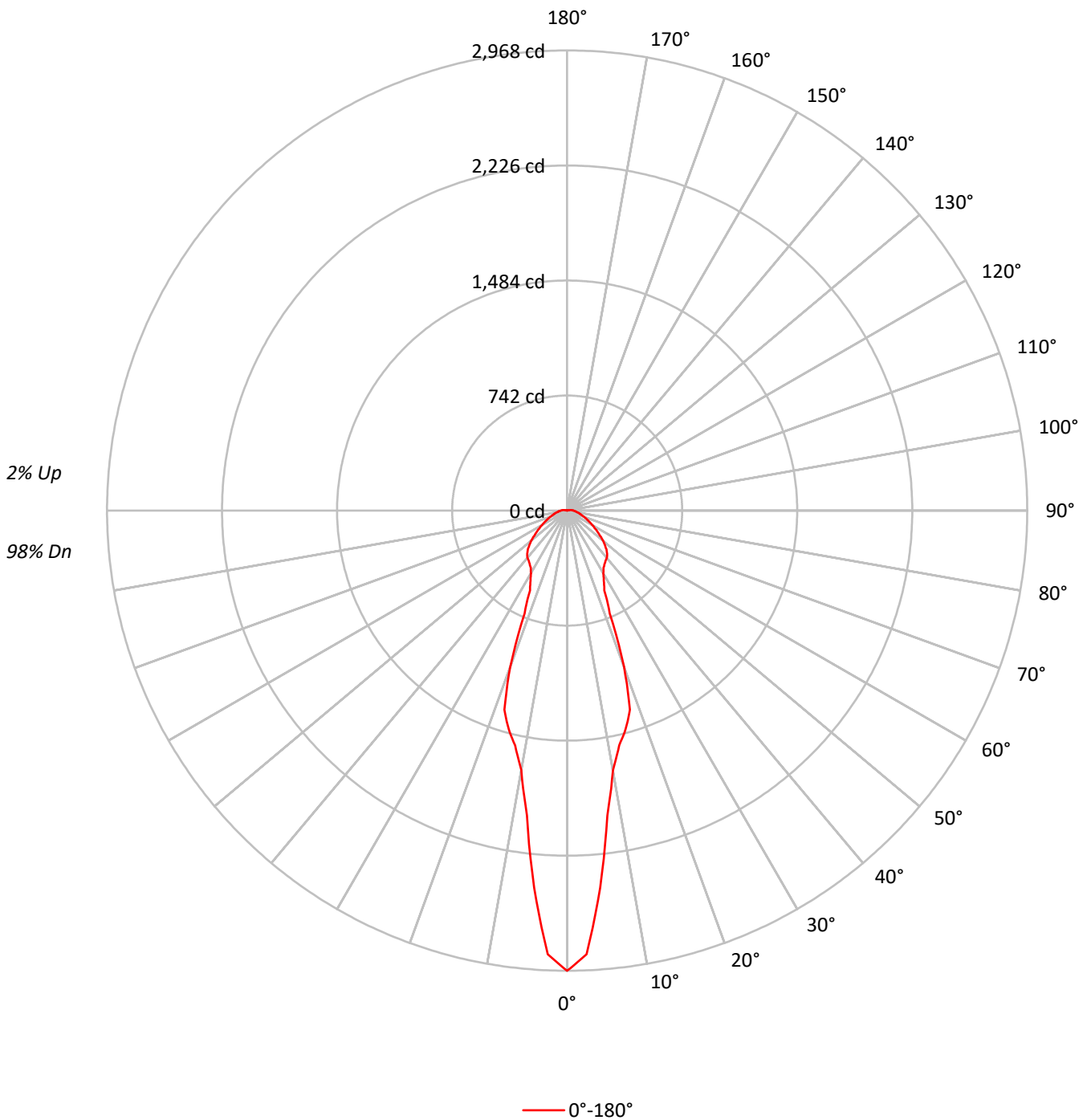
Lumens per Lamp: N/A  
Luminaire Lumens: 1994.8 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 31.6  
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	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°	193647
5°	142879
10°	90858
15°	72214
20°	49792
25°	25033
30°	19711
35°	17179
40°	15834
45°	14031
50°	11672
55°	9251
60°	7337
65°	5806
70°	4539
75°	3626
80°	2975
85°	2393

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14031 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.8	10.4
10°-20°	399.1	20.0
20°-30°	289.8	14.5
30°-40°	265.9	13.3
40°-50°	274.3	13.7
50°-60°	215.5	10.8
60°-70°	146.6	7.3
70°-80°	93.8	4.7
80°-90°	58.0	2.9
90°-100°	33.6	1.7
100°-110°	10.1	0.5
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°	896.8	45.0
0°-40°	1162.7	58.3
0°-60°	1652.5	82.8
0°-90°	1950.9	97.8
90°-120°	44.0	2.2
90°-150°	44.0	2.2
90°-180°	44.0	2.2
0°-180°	1994.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2968	
5°	2441	208
15°	1459	399
25°	568	290
35°	421	266
45°	359	274
55°	239	216
65°	147	147
75°	87	94
85°	53	46
90°	39	22
95°	32	23
105°	9	10
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°	2968.2
2.5°	2864.7
5°	2441.3
7.5°	1983.4
10°	1700.4
12.5°	1550.8
15°	1458.8
17.5°	1346.1
20°	1072.2
22.5°	717.9
25°	568.3
27.5°	510.8
30°	467.1
32.5°	437.2
35°	421.1
37.5°	407.3
40°	398.1
42.5°	382.0
45°	358.9
47.5°	331.3
50°	301.4
52.5°	269.2
55°	239.3
57.5°	211.7
60°	188.7
62.5°	165.7
65°	147.3
67.5°	128.9
70°	112.7
72.5°	98.9
75°	87.4
77.5°	78.2
80°	69.0
82.5°	59.8
85°	52.9
87.5°	46.0
90°	39.1
92.5°	36.8
95°	32.2
97.5°	25.3
100°	18.4
102.5°	13.8
105°	9.2
107.5°	4.6
110°	2.3

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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)