

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: P702686

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9727-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702686  
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-35-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**

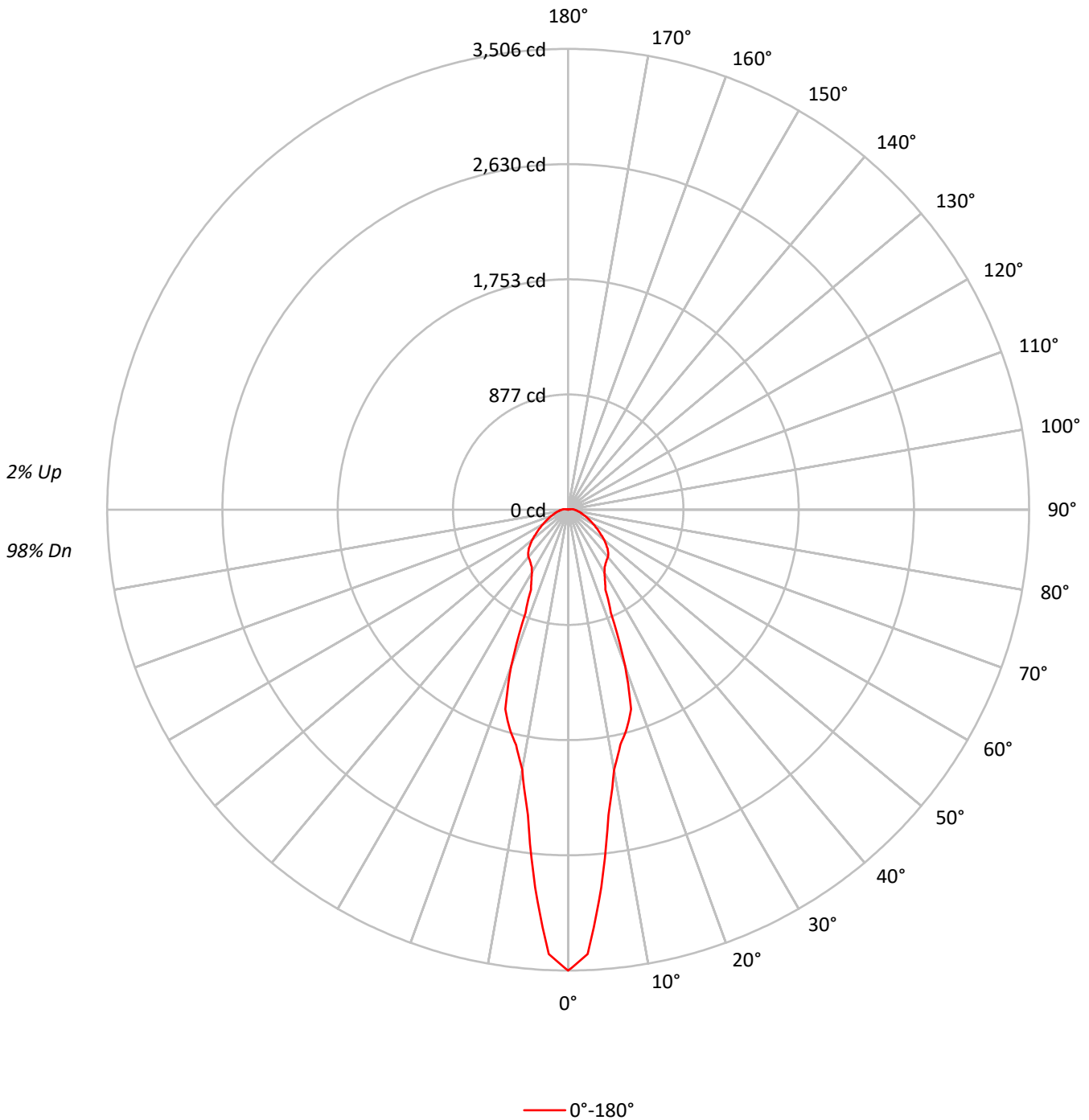
Lumens per Lamp: N/A  
Luminaire Lumens: 2356.6 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 40.4  
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°	228753
5°	168777
10°	107326
15°	85302
20°	58820
25°	29575
30°	23285
35°	20291
40°	18702
45°	16576
50°	13791
55°	10928
60°	8667
65°	6858
70°	5364
75°	4286
80°	3514
85°	2828

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16576 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.5	10.4
10°-20°	471.5	20.0
20°-30°	342.4	14.5
30°-40°	314.1	13.3
40°-50°	324.0	13.7
50°-60°	254.6	10.8
60°-70°	173.1	7.3
70°-80°	110.9	4.7
80°-90°	68.5	2.9
90°-100°	39.7	1.7
100°-110°	11.9	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°	1059.4	45.0
0°-40°	1373.4	58.3
0°-60°	1952.0	82.8
0°-90°	2304.6	97.8
90°-120°	52.0	2.2
90°-150°	52.0	2.2
90°-180°	52.0	2.2
0°-180°	2356.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3506	
5°	2884	246
15°	1723	471
25°	671	342
35°	497	314
45°	424	324
55°	283	255
65°	174	173
75°	103	111
85°	62	55
90°	46	26
95°	38	27
105°	11	12
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°	3506.3
2.5°	3384.0
5°	2883.8
7.5°	2343.0
10°	2008.6
12.5°	1832.0
15°	1723.2
17.5°	1590.1
20°	1266.6
22.5°	848.0
25°	671.4
27.5°	603.4
30°	551.8
32.5°	516.4
35°	497.4
37.5°	481.1
40°	470.2
42.5°	451.2
45°	424.0
47.5°	391.4
50°	356.1
52.5°	318.0
55°	282.7
57.5°	250.1
60°	222.9
62.5°	195.7
65°	174.0
67.5°	152.2
70°	133.2
72.5°	116.9
75°	103.3
77.5°	92.4
80°	81.5
82.5°	70.7
85°	62.5
87.5°	54.4
90°	46.2
92.5°	43.5
95°	38.1
97.5°	29.9
100°	21.7
102.5°	16.3
105°	10.9
107.5°	5.4
110°	2.7

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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)