

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: P702652

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702652  
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-35-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

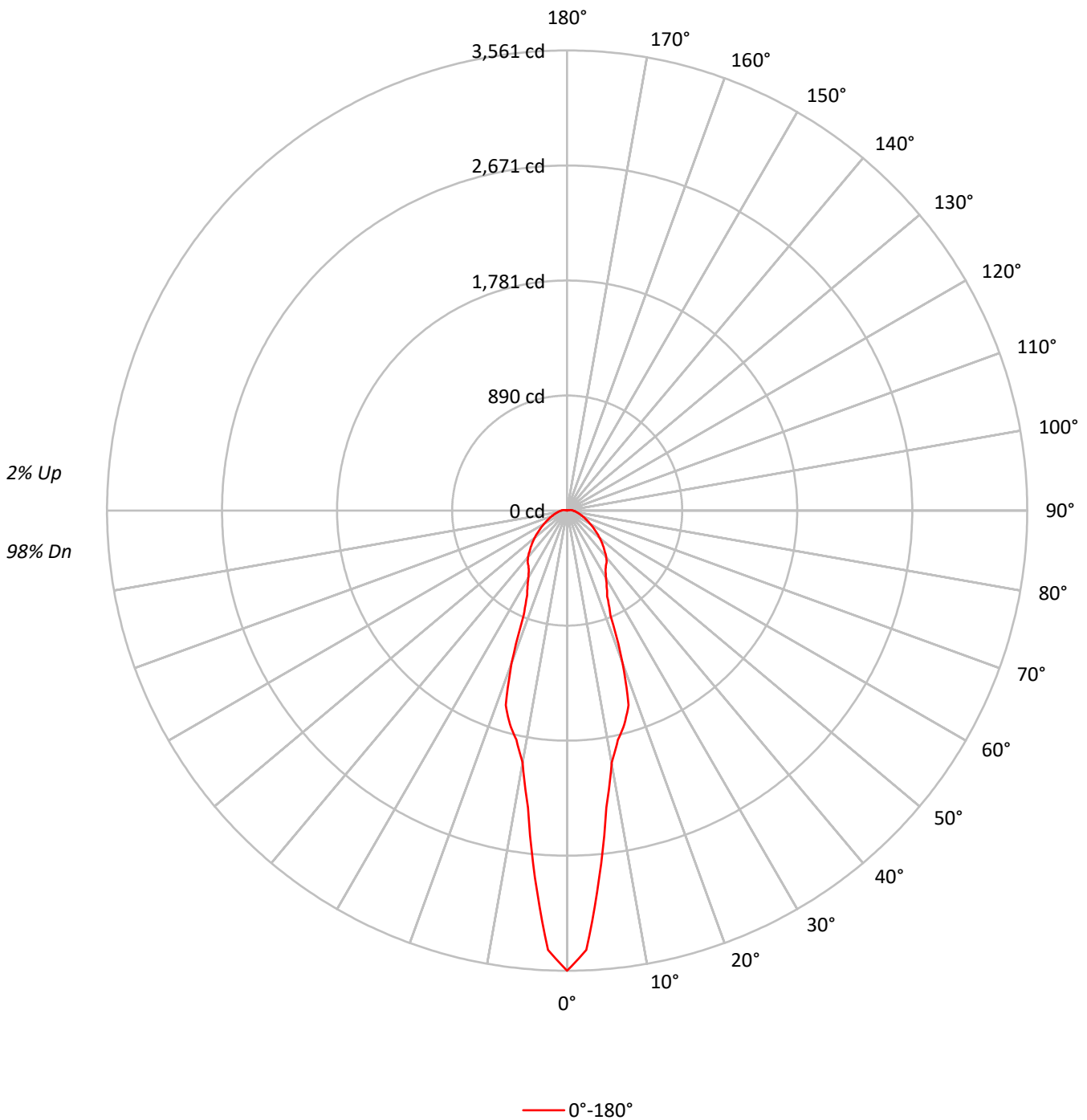
Lumens per Lamp: N/A  
Luminaire Lumens: 2328.2 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 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	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°	232296
5°	166869
10°	105878
15°	84768
20°	58314
25°	32328
30°	25348
35°	21291
40°	18702
45°	15513
50°	12737
55°	10086
60°	8033
65°	6322
70°	5034
75°	4058
80°	3281
85°	2705

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15513 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	10.5
10°-20°	467.6	20.1
20°-30°	363.0	15.6
30°-40°	330.2	14.2
40°-50°	306.4	13.2
50°-60°	235.8	10.1
60°-70°	161.4	6.9
70°-80°	104.7	4.5
80°-90°	65.2	2.8
90°-100°	37.8	1.6
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°	1074.3	46.1
0°-40°	1404.6	60.3
0°-60°	1946.7	83.6
0°-90°	2278.1	97.8
90°-120°	50.1	2.2
90°-150°	50.1	2.2
90°-180°	50.0	2.1
0°-180°	2328.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3561	
5°	2851	244
15°	1712	468
25°	734	363
35°	522	330
45°	397	306
55°	261	236
65°	160	161
75°	98	105
85°	60	52
90°	44	25
95°	35	26
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°	3560.6
2.5°	3403.0
5°	2851.2
7.5°	2318.5
10°	1981.5
12.5°	1815.7
15°	1712.4
17.5°	1579.2
20°	1255.7
22.5°	877.9
25°	733.9
27.5°	663.2
30°	600.7
32.5°	551.8
35°	521.9
37.5°	502.8
40°	470.2
42.5°	432.2
45°	396.8
47.5°	361.5
50°	328.9
52.5°	293.5
55°	260.9
57.5°	233.8
60°	206.6
62.5°	182.1
65°	160.4
67.5°	144.1
70°	125.0
72.5°	111.4
75°	97.8
77.5°	87.0
80°	76.1
82.5°	68.0
85°	59.8
87.5°	51.6
90°	43.5
92.5°	40.8
95°	35.3
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)