

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: P702672

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702672  
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-3040-9040-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

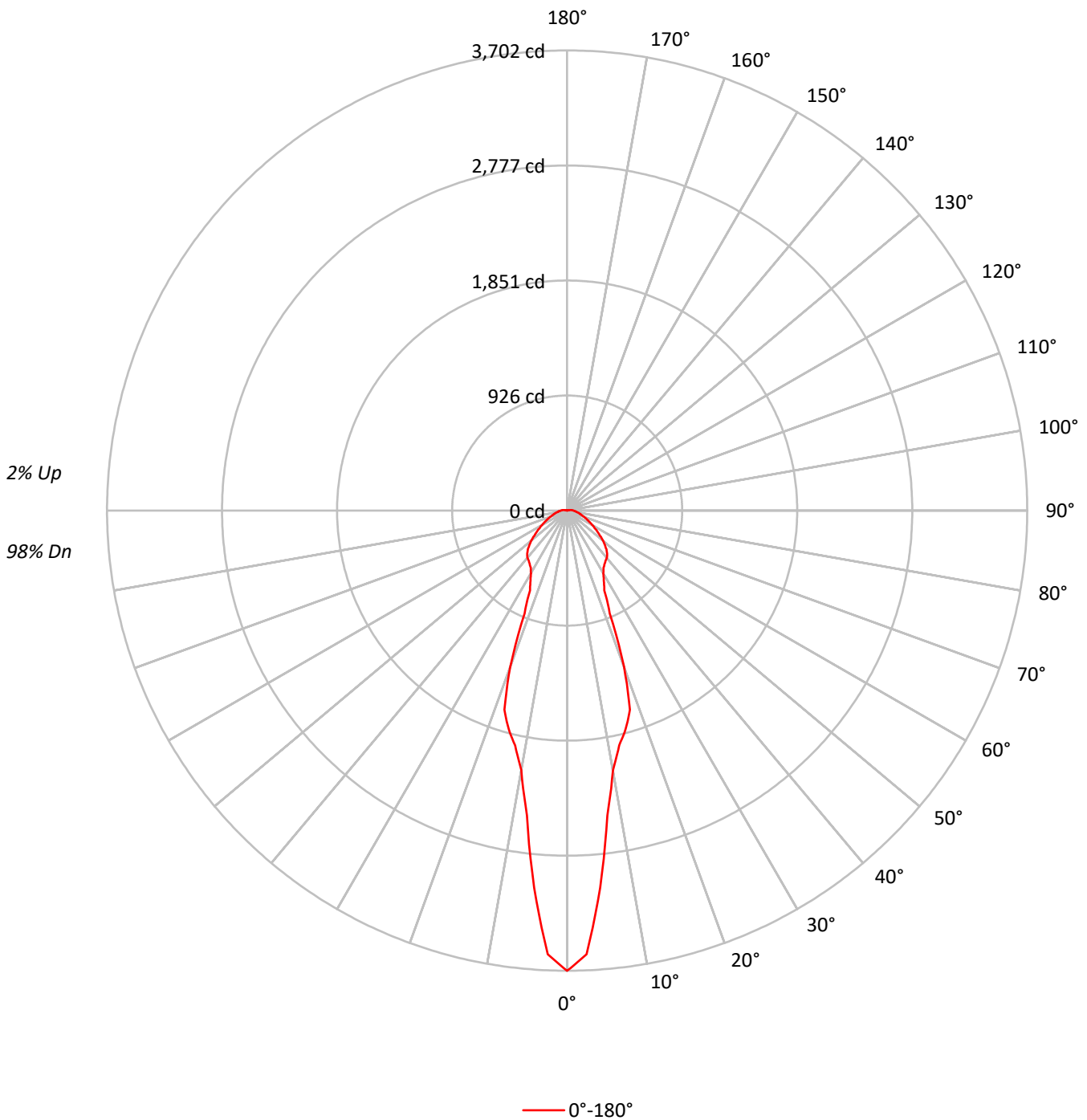
Lumens per Lamp: N/A  
Luminaire Lumens: 2488.2 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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°	241540
5°	178211
10°	113326
15°	90074
20°	62108
25°	31226
30°	24585
35°	21425
40°	19748
45°	17502
50°	14561
55°	11539
60°	9149
65°	7240
70°	5662
75°	4526
80°	3713
85°	2986

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17502 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.2	10.4
10°-20°	497.8	20.0
20°-30°	361.5	14.5
30°-40°	331.6	13.3
40°-50°	342.1	13.7
50°-60°	268.8	10.8
60°-70°	182.8	7.3
70°-80°	117.1	4.7
80°-90°	72.4	2.9
90°-100°	41.9	1.7
100°-110°	12.6	0.5
110°-120°	0.4	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°	1118.6	45.0
0°-40°	1450.2	58.3
0°-60°	2061.1	82.8
0°-90°	2433.3	97.8
90°-120°	54.9	2.2
90°-150°	54.9	2.2
90°-180°	55.0	2.2
0°-180°	2488.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3702	
5°	3045	259
15°	1820	498
25°	709	361
35°	525	332
45°	448	342
55°	298	269
65°	184	183
75°	109	117
85°	66	58
90°	49	28
95°	40	29
105°	12	13
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°	3702.3
2.5°	3573.1
5°	3045.0
7.5°	2473.9
10°	2120.9
12.5°	1934.4
15°	1819.6
17.5°	1678.9
20°	1337.4
22.5°	895.4
25°	708.9
27.5°	637.1
30°	582.6
32.5°	545.3
35°	525.2
37.5°	508.0
40°	496.5
42.5°	476.4
45°	447.7
47.5°	413.3
50°	376.0
52.5°	335.8
55°	298.5
57.5°	264.0
60°	235.3
62.5°	206.6
65°	183.7
67.5°	160.7
70°	140.6
72.5°	123.4
75°	109.1
77.5°	97.6
80°	86.1
82.5°	74.6
85°	66.0
87.5°	57.4
90°	48.8
92.5°	45.9
95°	40.2
97.5°	31.6
100°	23.0
102.5°	17.2
105°	11.5
107.5°	5.7
110°	2.9

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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)