

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: P702701

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9024-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702701  
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-40-D010 / 340-EU4C-3040-9024-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

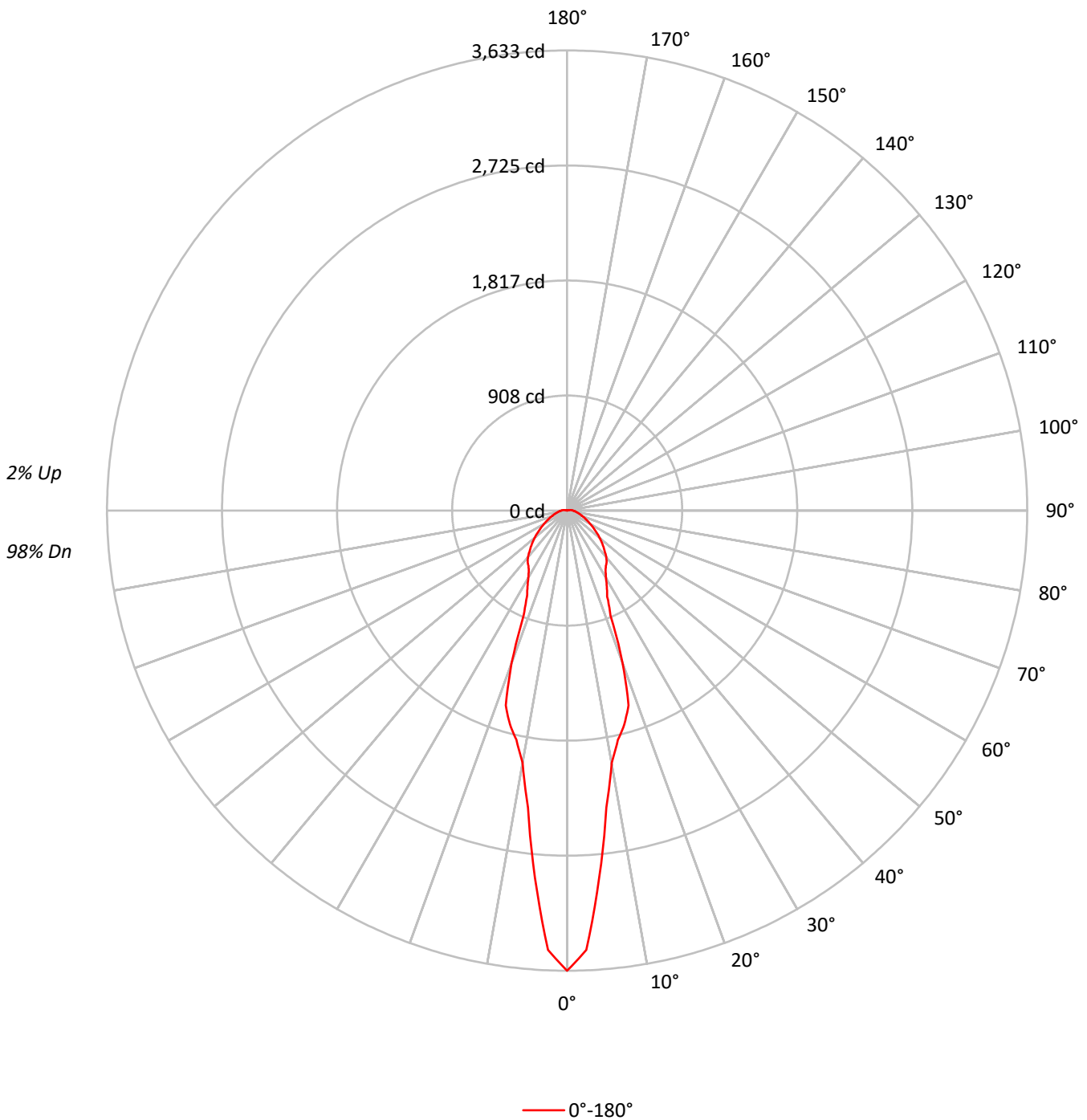
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2375.4 lumens  
Efficiency: N/A  
Efficacy: 50.5 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): 47  
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°	237013
5°	170258
10°	108026
15°	86485
20°	59498
25°	32984
30°	25863
35°	21723
40°	19084
45°	15829
50°	12997
55°	10291
60°	8197
65°	6448
70°	5139
75°	4140
80°	3346
85°	2760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15829 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	10.5
10°-20°	477.1	20.1
20°-30°	370.4	15.6
30°-40°	336.9	14.2
40°-50°	312.6	13.2
50°-60°	240.6	10.1
60°-70°	164.7	6.9
70°-80°	106.9	4.5
80°-90°	66.5	2.8
90°-100°	38.6	1.6
100°-110°	12.2	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°	1096.1	46.1
0°-40°	1433.1	60.3
0°-60°	1986.2	83.6
0°-90°	2324.3	97.8
90°-120°	51.1	2.2
90°-150°	51.1	2.2
90°-180°	51.0	2.1
0°-180°	2375.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3633	
5°	2909	249
15°	1747	477
25°	749	370
35°	532	337
45°	405	313
55°	266	241
65°	164	165
75°	100	107
85°	61	53
90°	44	25
95°	36	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°	3632.9
2.5°	3472.0
5°	2909.1
7.5°	2365.5
10°	2021.7
12.5°	1852.5
15°	1747.1
17.5°	1611.2
20°	1281.2
22.5°	895.7
25°	748.8
27.5°	676.7
30°	612.9
32.5°	563.0
35°	532.5
37.5°	513.0
40°	479.8
42.5°	440.9
45°	404.9
47.5°	368.8
50°	335.6
52.5°	299.5
55°	266.2
57.5°	238.5
60°	210.8
62.5°	185.8
65°	163.6
67.5°	147.0
70°	127.6
72.5°	113.7
75°	99.8
77.5°	88.7
80°	77.6
82.5°	69.3
85°	61.0
87.5°	52.7
90°	44.4
92.5°	41.6
95°	36.1
97.5°	30.5
100°	22.2
102.5°	16.6
105°	11.1
107.5°	5.5
110°	2.8

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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)