

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: P702694

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702694  
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-3040-9730-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

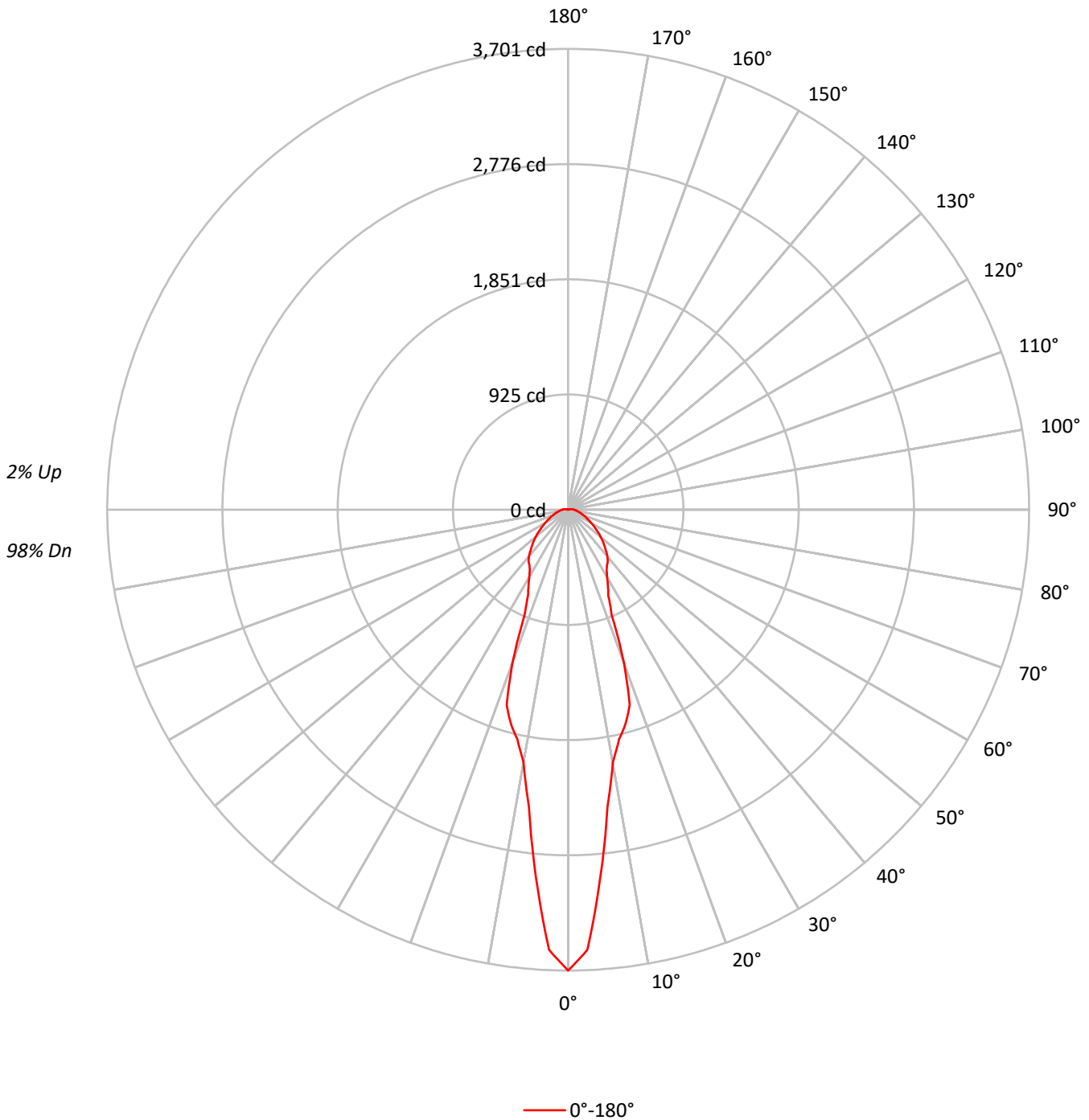
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2420.2 lumens  
Efficiency: N/A  
Efficacy: 59.9 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

TEST NUMBER: P702694

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

### Luminous Intensity Polar Plot



TEST NUMBER: P702694

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

**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°	241482
5°	173465
10°	110061
15°	88119
20°	60622
25°	33605
30°	26349
35°	22131
40°	19442
45°	16126
50°	13241
55°	10484
60°	8348
65°	6570
70°	5235
75°	4219
80°	3411
85°	2814

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16126 cd/sqm

TEST NUMBER: P702694

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.3	10.5
10°-20°	486.1	20.1
20°-30°	377.3	15.6
30°-40°	343.3	14.2
40°-50°	318.5	13.2
50°-60°	245.1	10.1
60°-70°	167.8	6.9
70°-80°	108.9	4.5
80°-90°	67.8	2.8
90°-100°	39.3	1.6
100°-110°	12.4	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°	1116.8	46.1
0°-40°	1460.1	60.3
0°-60°	2023.7	83.6
0°-90°	2368.1	97.8
90°-120°	52.1	2.2
90°-150°	52.1	2.2
90°-180°	52.0	2.1
0°-180°	2420.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3701	
5°	2964	253
15°	1780	486
25°	763	377
35°	542	343
45°	412	318
55°	271	245
65°	167	168
75°	102	109
85°	62	54
90°	45	26
95°	37	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

TEST NUMBER: P702694

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3701.4
2.5°	3537.5
5°	2963.9
7.5°	2410.1
10°	2059.8
12.5°	1887.4
15°	1780.1
17.5°	1641.6
20°	1305.4
22.5°	912.6
25°	762.9
27.5°	689.4
30°	624.4
32.5°	573.6
35°	542.5
37.5°	522.7
40°	488.8
42.5°	449.3
45°	412.5
47.5°	375.8
50°	341.9
52.5°	305.2
55°	271.2
57.5°	243.0
60°	214.7
62.5°	189.3
65°	166.7
67.5°	149.8
70°	130.0
72.5°	115.8
75°	101.7
77.5°	90.4
80°	79.1
82.5°	70.6
85°	62.2
87.5°	53.7
90°	45.2
92.5°	42.4
95°	36.7
97.5°	31.1
100°	22.6
102.5°	17.0
105°	11.3
107.5°	5.7
110°	2.8

TEST NUMBER: P702694

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-CQ

**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)