

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: P702648

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

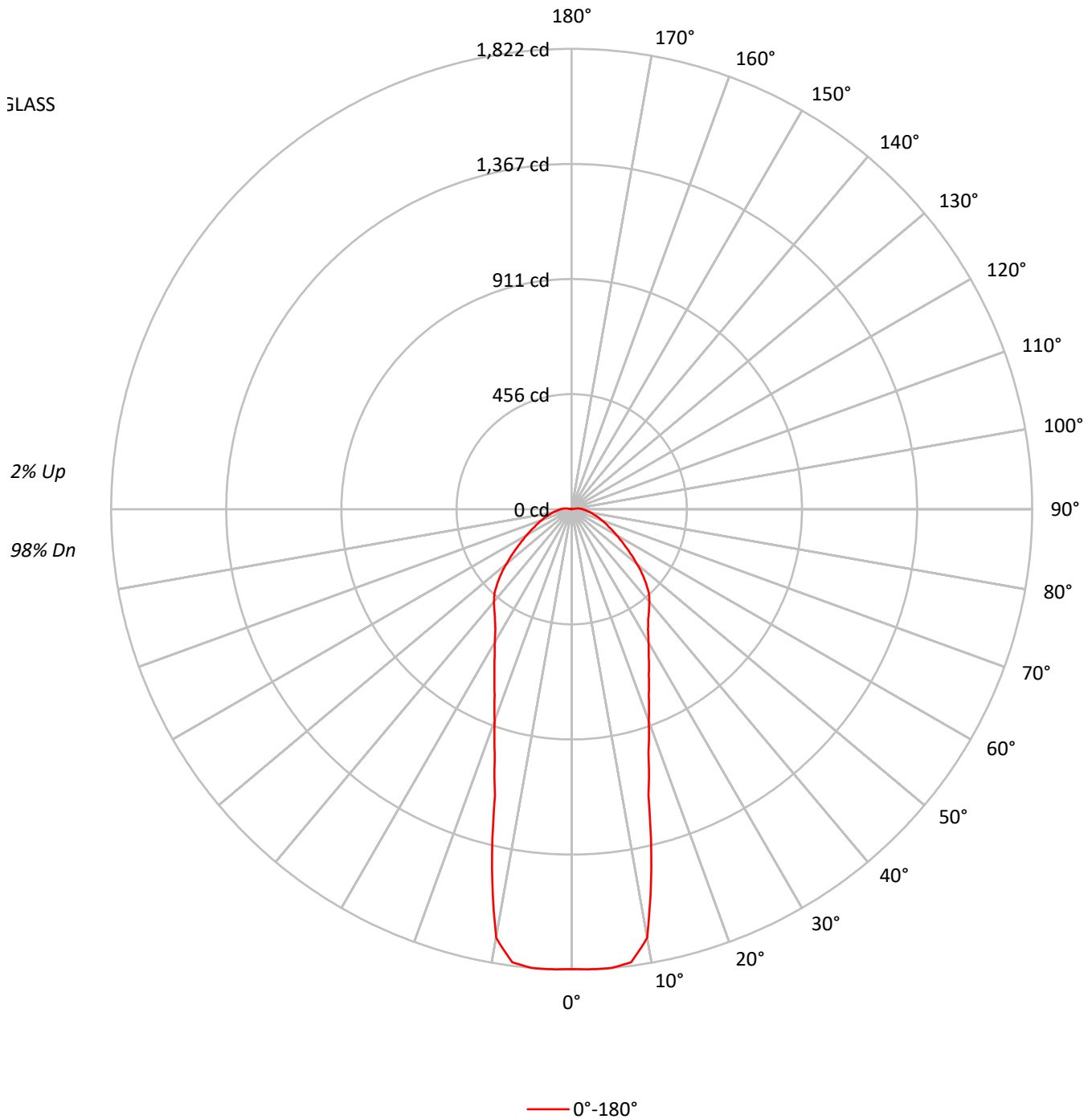
Lumens per Lamp: N/A  
Luminaire Lumens: 2102.7 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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: P702648

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

### Luminous Intensity Polar Plot



TEST NUMBER: P702648

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

**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	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	118718
5°	106640
10°	91996
15°	58002
20°	41419
25°	31808
30°	25631
35°	21560
40°	19020
45°	16267
50°	13059
55°	10167
60°	7994
65°	6314
70°	5102
75°	4066
80°	3299
85°	2597

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16267 cd/sqm

TEST NUMBER: P702648

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.3	8.1
10°-20°	338.2	16.1
20°-30°	335.0	15.9
30°-40°	333.8	15.9
40°-50°	318.6	15.2
50°-60°	237.8	11.3
60°-70°	161.2	7.7
70°-80°	105.1	5.0
80°-90°	63.9	3.0
90°-100°	33.3	1.6
100°-110°	4.5	0.2
110°-120°	0.0	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°	844.5	40.2
0°-40°	1178.3	56.0
0°-60°	1734.7	82.5
0°-90°	2064.9	98.2
90°-120°	37.8	1.8
90°-150°	37.8	1.8
90°-180°	38.0	1.8
0°-180°	2102.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1820	
5°	1822	171
15°	1172	338
25°	722	335
35°	528	334
45°	416	319
55°	263	238
65°	160	161
75°	98	105
85°	57	51
90°	43	24
95°	31	22
105°	2	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

TEST NUMBER: P702648

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1819.7
2.5°	1822.1
5°	1822.1
7.5°	1807.7
10°	1721.7
12.5°	1456.2
15°	1171.7
17.5°	1011.5
20°	891.9
22.5°	796.3
25°	722.1
27.5°	660.0
30°	607.4
32.5°	561.9
35°	528.5
37.5°	502.1
40°	478.2
42.5°	451.9
45°	416.1
47.5°	377.8
50°	337.2
52.5°	298.9
55°	263.0
57.5°	231.9
60°	205.6
62.5°	181.7
65°	160.2
67.5°	143.5
70°	126.7
72.5°	112.4
75°	98.0
77.5°	86.1
80°	76.5
82.5°	67.0
85°	57.4
87.5°	50.2
90°	43.0
92.5°	38.3
95°	31.1
97.5°	23.9
100°	14.3
102.5°	7.2
105°	2.4
107.5°	0.0
110°	0.0

TEST NUMBER: P702648

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

**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)