

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: P702749

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702749  
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-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

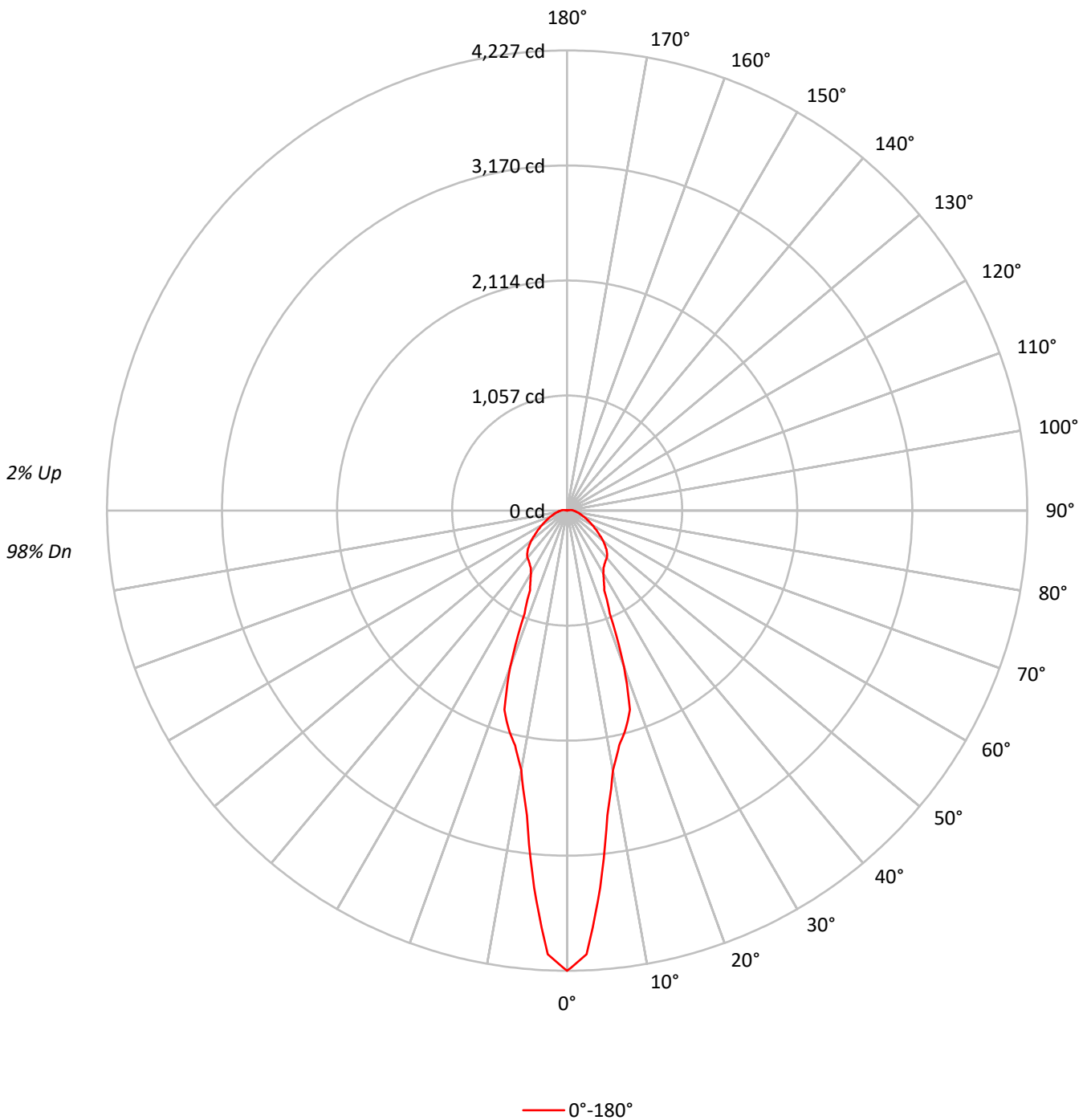
Lumens per Lamp: N/A  
Luminaire Lumens: 2841.0 lumens  
Efficiency: N/A  
Efficacy: 60.4 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P702749

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

### Luminous Intensity Polar Plot



TEST NUMBER: P702749

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

**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°	275785
5°	203483
10°	129394
15°	102841
20°	70913
25°	35653
30°	28070
35°	24465
40°	22548
45°	19985
50°	16625
55°	13174
60°	10448
65°	8265
70°	6467
75°	5165
80°	4239
85°	3411

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19985 cd/sqm

TEST NUMBER: P702749

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.0	10.4
10°-20°	568.4	20.0
20°-30°	412.8	14.5
30°-40°	378.7	13.3
40°-50°	390.6	13.7
50°-60°	306.9	10.8
60°-70°	208.7	7.3
70°-80°	133.7	4.7
80°-90°	82.6	2.9
90°-100°	47.8	1.7
100°-110°	14.4	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°	1277.2	45.0
0°-40°	1655.8	58.3
0°-60°	2353.4	82.8
0°-90°	2778.4	97.8
90°-120°	62.7	2.2
90°-150°	62.7	2.2
90°-180°	63.0	2.2
0°-180°	2841.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4227	
5°	3477	296
15°	2078	568
25°	809	413
35°	600	379
45°	511	391
55°	341	307
65°	210	209
75°	124	134
85°	75	66
90°	56	31
95°	46	33
105°	13	14
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: P702749

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4227.2
2.5°	4079.7
5°	3476.8
7.5°	2824.7
10°	2421.6
12.5°	2208.6
15°	2077.5
17.5°	1917.0
20°	1527.0
22.5°	1022.4
25°	809.4
27.5°	727.5
30°	665.2
32.5°	622.6
35°	599.7
37.5°	580.0
40°	566.9
42.5°	544.0
45°	511.2
47.5°	471.9
50°	429.3
52.5°	383.4
55°	340.8
57.5°	301.5
60°	268.7
62.5°	235.9
65°	209.7
67.5°	183.5
70°	160.6
72.5°	140.9
75°	124.5
77.5°	111.4
80°	98.3
82.5°	85.2
85°	75.4
87.5°	65.5
90°	55.7
92.5°	52.4
95°	45.9
97.5°	36.0
100°	26.2
102.5°	19.7
105°	13.1
107.5°	6.6
110°	3.3

TEST NUMBER: P702749

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

**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)