

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: P702719

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9030-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702719  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9030-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

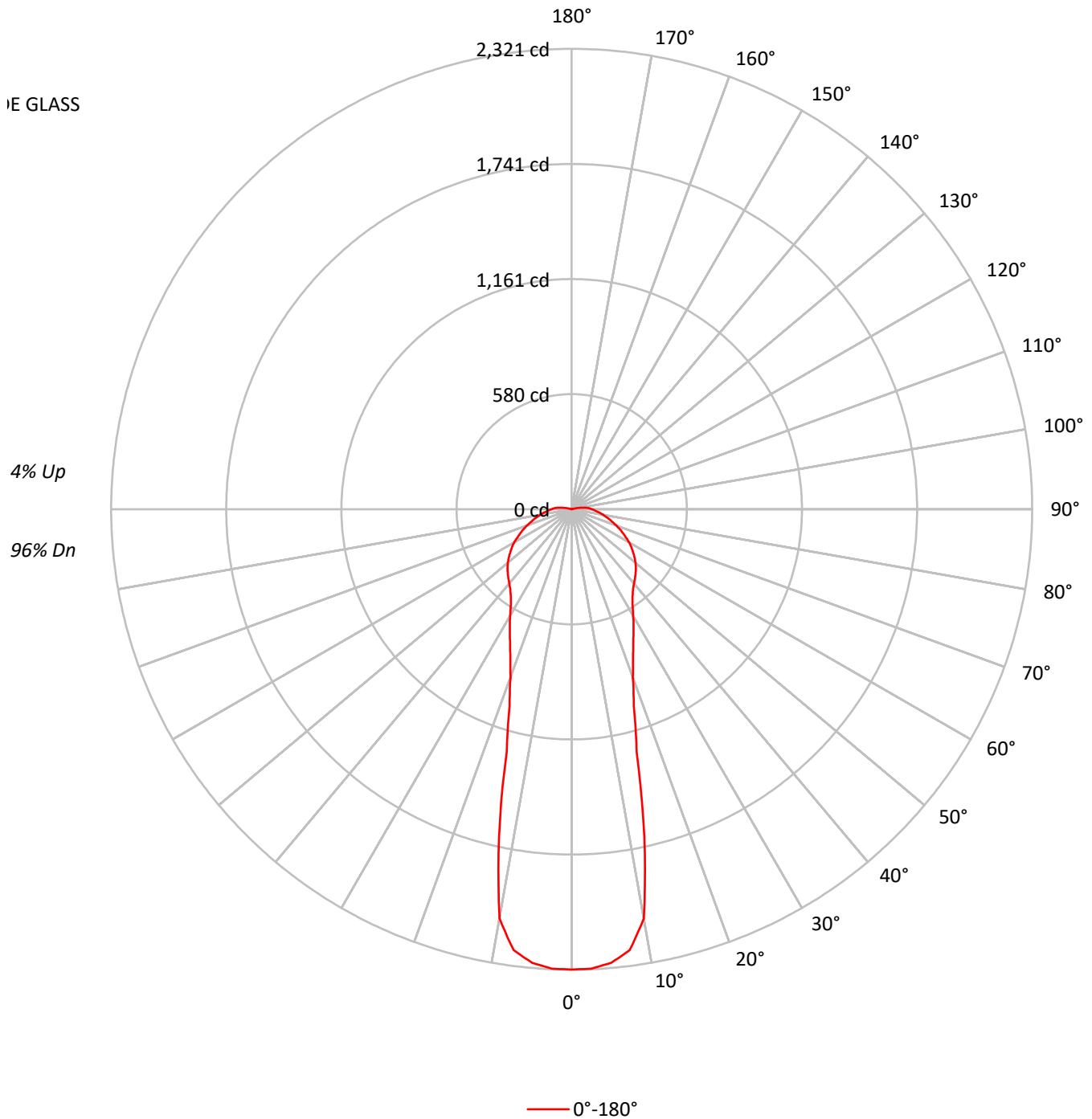
Lumens per Lamp: N/A  
Luminaire Lumens: 2686.1 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

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

	0°
0°	151397
5°	134282
10°	111916
15°	62630
20°	41860
25°	32341
30°	26142
35°	21797
40°	19426
45°	17811
50°	16250
55°	14570
60°	12999
65°	11241
70°	9637
75°	8161
80°	6925
85°	5782

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17811 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.3	7.9
10°-20°	371.4	13.8
20°-30°	340.7	12.7
30°-40°	338.7	12.6
40°-50°	351.8	13.1
50°-60°	338.2	12.6
60°-70°	282.9	10.5
70°-80°	208.6	7.8
80°-90°	141.2	5.3
90°-100°	81.9	3.0
100°-110°	17.0	0.6
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°	925.4	34.5
0°-40°	1264.1	47.1
0°-60°	1954.1	72.7
0°-90°	2586.8	96.3
90°-120°	99.4	3.7
90°-150°	99.4	3.7
90°-180°	99.0	3.7
0°-180°	2686.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2321	
5°	2294	213
15°	1265	371
25°	734	341
35°	534	339
45°	456	352
55°	377	338
65°	285	283
75°	197	209
85°	128	112
90°	102	56
95°	79	55
105°	13	17
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°	2320.6
2.5°	2317.4
5°	2294.4
7.5°	2242.0
10°	2094.5
12.5°	1691.3
15°	1265.2
17.5°	1039.0
20°	901.4
22.5°	806.3
25°	734.2
27.5°	675.2
30°	619.5
32.5°	570.3
35°	534.3
37.5°	508.0
40°	488.4
42.5°	472.0
45°	455.6
47.5°	439.2
50°	419.6
52.5°	399.9
55°	376.9
57.5°	357.3
60°	334.3
62.5°	308.1
65°	285.2
67.5°	262.2
70°	239.3
72.5°	216.3
75°	196.7
77.5°	177.0
80°	160.6
82.5°	144.2
85°	127.8
87.5°	114.7
90°	101.6
92.5°	91.8
95°	78.7
97.5°	59.0
100°	39.3
102.5°	22.9
105°	13.1
107.5°	6.6
110°	3.3

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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)