

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: P702439

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9030-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702439  
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-15-D010 / 340-EU4C-1020-9030-4LBW1LI-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

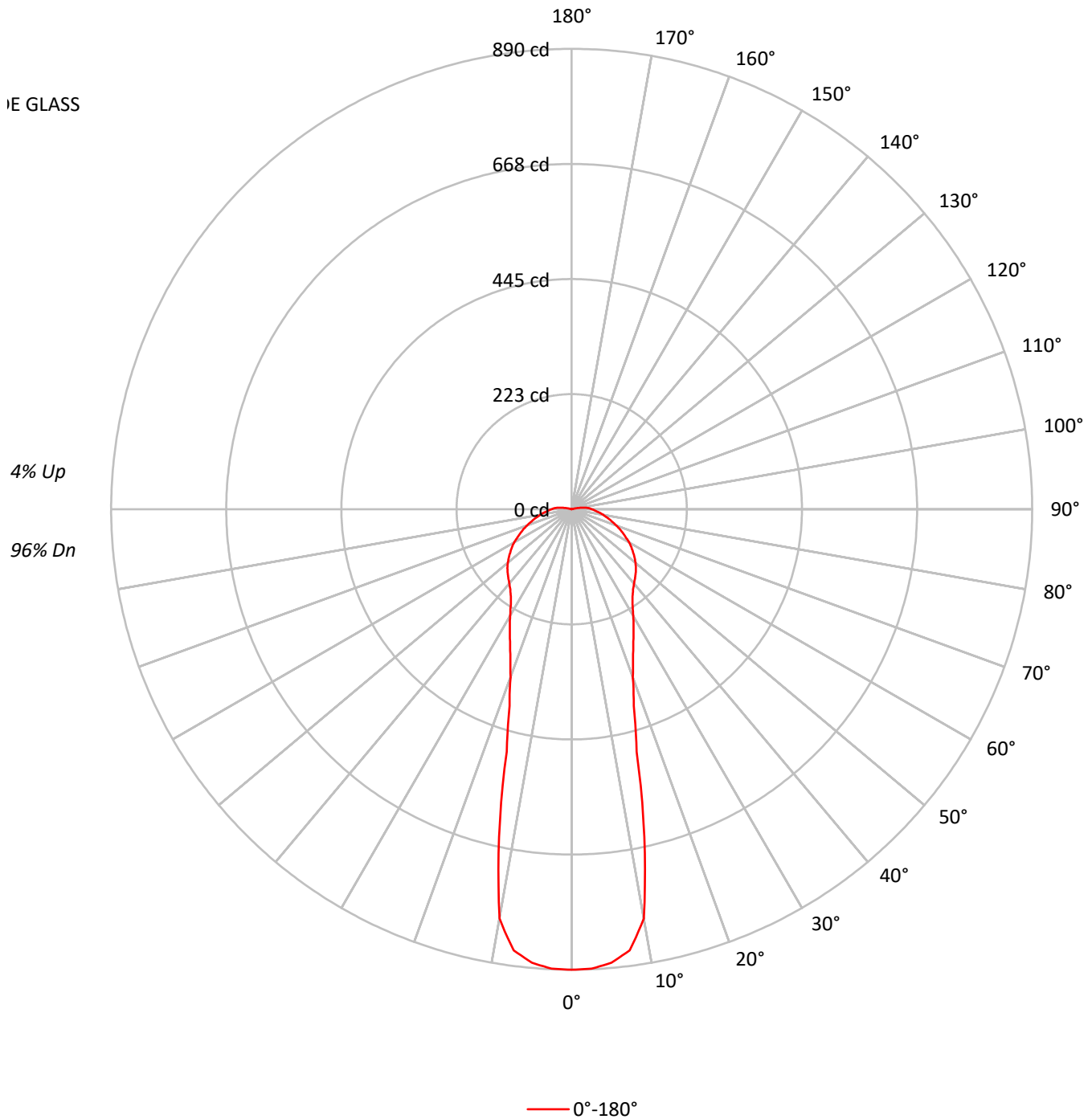
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1030.3 lumens  
Efficiency: N/A  
Efficacy: 65.2 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): 15.8  
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°	58071
5°	51503
10°	42928
15°	24023
20°	16054
25°	12404
30°	10026
35°	8359
40°	7450
45°	6834
50°	6231
55°	5590
60°	4985
65°	4312
70°	3697
75°	3128
80°	2656
85°	2217

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6834 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	7.9
10°-20°	142.5	13.8
20°-30°	130.7	12.7
30°-40°	129.9	12.6
40°-50°	134.9	13.1
50°-60°	129.7	12.6
60°-70°	108.5	10.5
70°-80°	80.0	7.8
80°-90°	54.1	5.3
90°-100°	31.4	3.0
100°-110°	6.5	0.6
110°-120°	0.2	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°	355.0	34.5
0°-40°	484.9	47.1
0°-60°	749.5	72.7
0°-90°	992.2	96.3
90°-120°	38.1	3.7
90°-150°	38.1	3.7
90°-180°	38.0	3.7
0°-180°	1030.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	890	
5°	880	82
15°	485	142
25°	282	131
35°	205	130
45°	175	135
55°	145	130
65°	109	109
75°	75	80
85°	49	43
90°	39	22
95°	30	21
105°	5	7
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°	890.1
2.5°	888.8
5°	880.0
7.5°	859.9
10°	803.4
12.5°	648.7
15°	485.3
17.5°	398.5
20°	345.7
22.5°	309.3
25°	281.6
27.5°	259.0
30°	237.6
32.5°	218.8
35°	204.9
37.5°	194.9
40°	187.3
42.5°	181.0
45°	174.8
47.5°	168.5
50°	160.9
52.5°	153.4
55°	144.6
57.5°	137.0
60°	128.2
62.5°	118.2
65°	109.4
67.5°	100.6
70°	91.8
72.5°	83.0
75°	75.4
77.5°	67.9
80°	61.6
82.5°	55.3
85°	49.0
87.5°	44.0
90°	39.0
92.5°	35.2
95°	30.2
97.5°	22.6
100°	15.1
102.5°	8.8
105°	5.0
107.5°	2.5
110°	1.3

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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)